EMIST and DRUGGIST MARCH 27, 1943

The
HEMIST AND DRUGGIST
or RETAILER - WHOLESALER - MANUFACTURER

ished 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

3294 XXXIX MARCH 27, 1943 Annual Subscription (with Diary) 25/-. Single Copies 9d.

Lilly
TRADE MARK

GENTIAN VIOLET JELLY
WITH
TRADE MARK **'MERTHIOLATE'** BRAND
SODIUM ETHYL MERCURI-THIOSALICYLATE

This Jelly, containing Gentian Violet 1% with 'Merthiolate' 1 in 5000, provides a convenient method of applying the dye to burned areas.

SUPPLIED IN ONE OUNCE AND FIVE OUNCE COLLAPSIBLE TUBES

P.A.T.A.

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A stable Jelly containing Tannic Acid 5%, 'Merthiolate' 1 in 5000, in a water-soluble jelly base, thus combining the therapeutic efficacy of Tannic Acid solution and the antiseptic value of 'Merthiolate' for the treatment of burns.

SUPPLIED IN ONE OUNCE AND FIVE OUNCE COLLAPSIBLE TUBES AND ONE POUND GLASS JARS

ELI LILLY AND COMPANY LIMITED
BASINGSTOKE, HANTS.

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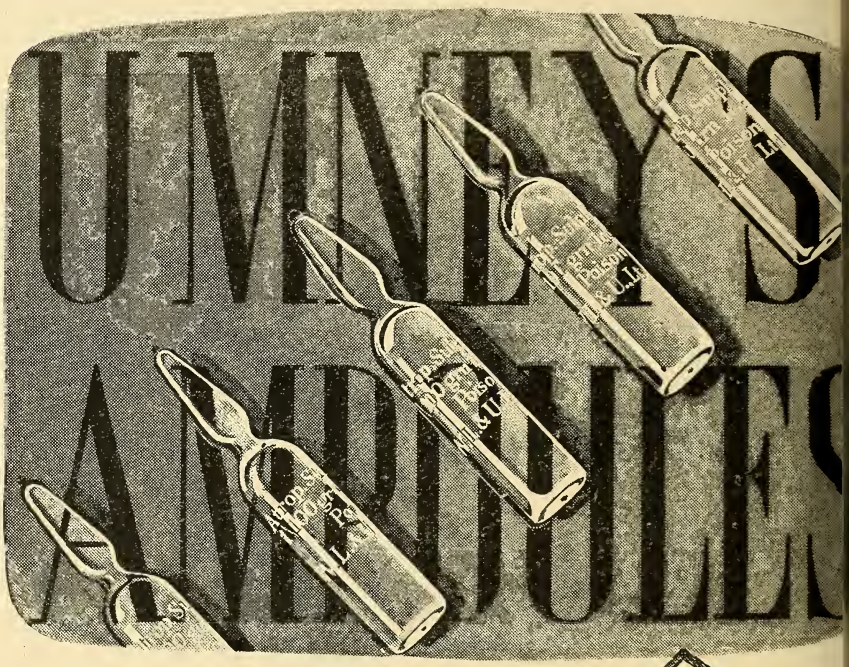
UMNEY'S

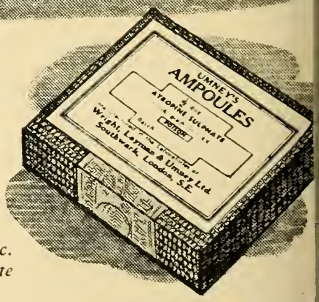
sterilised solutions

FOR INJECTIONS



Umney's Ampoules, now produced in our reconstructed factory, are filled, sealed and labelled by the most modern processes and are available at favourable prices. Carefully controlled materials are introduced under expert supervision into ampoules of alkali-free glass. The most recent approved methods of sterilisation are adopted, being either those of official publications or of other recognised authorities.

N.B. 1 c.c. sizes contain 1.1 c.c., 2 c.c. contain 2.1 c.c., 5 c.c. contain 5.1 c.c. of fluid, and so on, to ensure that the complete dose may be withdrawn.



WRIGHT · LAYMAN & UMNEY LTD

44-50 SOUTHWARK STREET · LONDON · SE1

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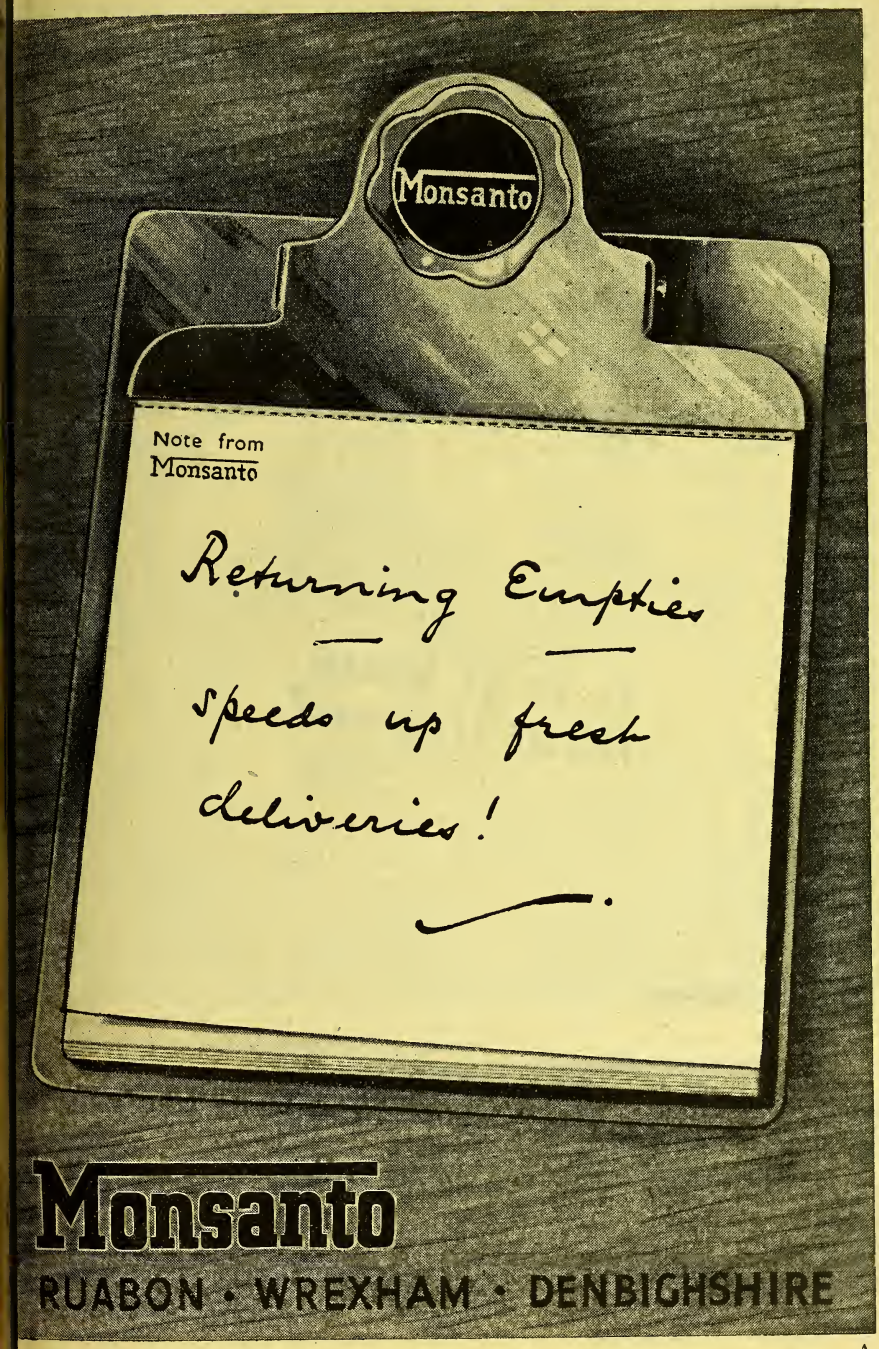
Monsanto
Note from
Monsanto
Returning Empties
speeds up fresh
deliveries!
Monsanto
RUABON · WREXHAM · DENBIGHSHIRE

As the soldier in "Hamlet" might have said after taking 'BiSoDoL'. . .

'For this relief — much thanks!'

And such will be the appreciation—either in word or thought -by those sufferers from indigestion and other stomach disorders, who are introduced to 'BiSoDoL' by either your recommendation and display—or as a result of seeing the 'BiSoDoL' film 'THERE BY—!'

From January to October, 1943, this outstanding 5½-minute film is being shown (in most cases, thrice daily for 6 days) in 672 cinemas throughout the United Kingdom, and will be see by at least 7½ **MILLION CINEMA-GOERS.** Follow-u SLIDES are also being shown.

In view of (a) the increase in digestive troubles during wartim (b) the proved effectiveness of 'BiSoDoL' in relieving those di orders and (c) the extensive advertising campaign—would it n be to your advantage to display 'BiSoDoL' DURING ar following the film-showing IN YOUR DISTRICT? With su co-operation, resulting in increased sales, may we not then sa *mutually*, "For this SUPPORT—much thanks!"

SOME OF THE 672 CINEMAS SHOWING 'THERE BY—!'

W/C MARCH 22:

BRISTOL (H.Maj.)
BUDLEIGH S'L'TON (Carl.)
BURNLEY (Alhamb.)
CANVEY IS. (Rio)
COUNDON (Eden Pv.)
DARTMOUTH (C'drome)
DOUGLAS (Sd.)
DUNGANNON (Astor)
DURSLEY (Rg.)
EASINGTON COLL. (Ro.)
GATESHEAD-ON-T. (Coatsw'th)
GREENWICH, S.E. (Hippo.)
HELSTON (E.)
HOLMEWOOD (P.H.)
LONDONDERRY (City)
MAGHERA (Ci.)
MAGHERAFELT (Ci.)
SILLOTH-ON-S. (Maj.)
TRURO (P.)
W'HOUGHTON (P.)

W/C MARCH 29:

BATLEY (Pl.)
BLACKBURN (K.Hall)
CAMBORNE (P.)
CHURCH, Lancs. (Q.)
CIRENCESTER (Rg.)
COOKSTOWN (P.H.)
DENTON (Peop. H.)
EASTLEIGH (P.H.)
EGREMONT (Castle)
EXMOUTH (S)
GLASGOW (New Crown; Crosshill P.H. & Tonic)
HARROGATE (Cn.)
KINROSS (Cy.)
LINCOLN (Pl.)
NORMANTON (New E.)
NUNEATON (P.)
PEEL, I.o.M. (Pv.)
SALFORD (Sc.)
STRABONE (C'dore)
TRING (Rg.)
W. BROMWICH (St. Geo.)

W/C APRIL 5:

AYR (Rz.)
BELFAST (D'cairn)
B'HAM (Tyseley Cin.)
BLACKBURN (Ry.)
BLANTYRE (B'way)
BODMIN (P.)
BOLTON (R'y'l)
CHESTERFIELD (Vict. P.H.)
DUNDEE (Vict. & B'way)
FOWEY (Troy)
HAYLE (P)
HORDEN (P.H.)
IRVINE (Rg.)
NEWLYN (Ga'ty)
PETERBORO' (P'cess)
PORT ERIN (Sd.)
STRATHAVEN (Rz.)
TORPOINT (Rg.)
TROWBRIDGE (Rg.)

W/C APRIL 12:

BANGOR, Co. D'wn (Adelph.)
BATLEY (Collins)
BLACKHILL (Olymp.)
BLAIRGOWRIE (Rg.)
BOOSBECK (E)
BRADFORD (G'gates)
CONSETT (Pl.)
DOWNPATRICK (G)
DUNDEE (Rg. & Pallad.)
FOLKESTONE (Cn.)
HAMILTON (Ry.)
IRLAM (Ro.)
LEICESTER (M'bourne)
LINCOLN (G., Cn. & Exch.)
MARGATE (Parade)
MAYBOLE (N. Garrick)
NORMANTON (G)
NORMANTON STH. (P)
OLDBURY (S)
RAWDON (E)
RISHTON (Rg.)
ST. AGNES (Rg.)
ST. DENNIS (Pl.)
SMETHWICK (B'con)
WARE (Ci.)
WOODLANDS, Yks (P.H.)

W/C APRIL 19:

ARDROSSAN (Lyric)
ATHERSTON (Rg.)
B'MOUTH (Ry).
CONSETT (E)
DALMELL'GTON (Doon)
LEADGATE (Ry)
MONTON (Princes)
NEWBURY (Forum)
ODIHAM (Rg.)
PORTRUSH (P.H.)
SCUNTHORPE (Pv.)
SOMERCOTES (E)
SPONDON (S'well)
WOOLTON (P.H.)

W/C APRIL 26:

BRADFORD (Orient)
DELABOLE (Rg.)
ECCLESFIELD (Cin. H'se)
HAYLING IS. (Rg.)
MEVAGISSEY (T. Hall)
NEWRY (Frontier)
RAMSGATE (K)
ST. MAWES (Roseland H.)
SHEFFIELD (Victory P.P.)
SUTTON C'FIELD (Clif'n)

W/C MAY 3:

BRADFORD on Avon (Alex.)
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LICHFIELD (Rg.)
MALKSHAM (P.H.)
PERRANPORTH (P)
ST. COLUMB (T. Hall)
SHEFFIELD, S'green (Cpl.)
SWINDON (Rink)
W'HOUGHTON (E)

Is it at YOUR local cinema?

KEY TO CINEMA NAMES: **Ci.**—The Cinema; **Cn.**—Central; **Cy.**—County; **E.**—Empire; **G.**—Grand; **K.**—Kings **P.**—Palace; **P.H.**—Picture House or Hall; **Pl.**—Plaza; **Pv.**—Pavilion; **Q.**—Queens; **Rg.**—Regal; **Ro.**—Rialto; **Ry.**—Roxy; **Rz.**—Ritz.; **S.**—Savoy; **Sc.**—Scala; **Sd.**—Strand

BiSoDoL (REGD.)

Sole Distributors
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As a general antiseptic Collosol Argentum is rather more than equal to 1 per cent. phenol and is at the same time completely non-toxic and non-irritant. It is indicated in all types of inflammatory conditions, dermatology and ear, nose and throat infections.
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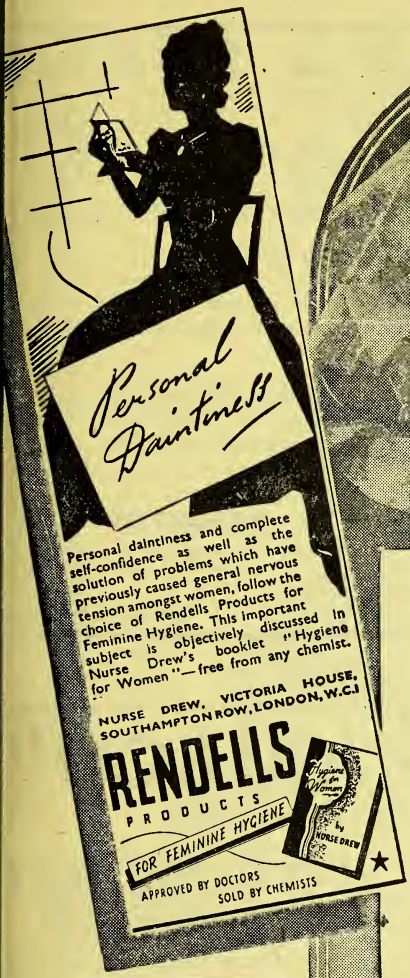

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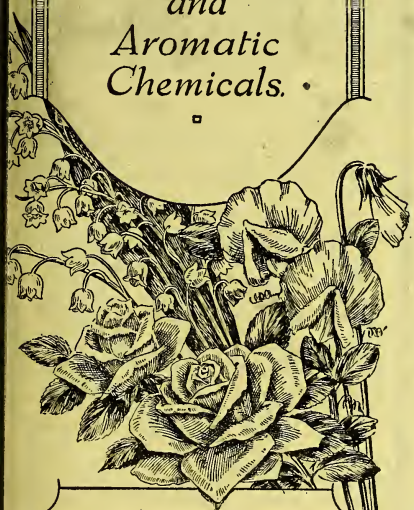

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ENFIELD, MIDDLESEX
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AMAMI

announce change of address

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P.A.T.A.

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'SURE SHIELD'

SURE SHIELD
THE SURE SHIELD
SERIES
REGD REGD
BRAND
SURE SHIELD

Products

Due to shortage of supplies, combined with the curtailment of our staff, we wish to assure our many trade friends that we are using every effort to maintain an equitable distribution of our Products.

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1st. All Orders are forwarded in strict rotation, and we are now TEN weeks behindhand in delivery.

2nd. Due to the position, all additions can only be treated as separate orders.

3rd. When writing with reference to an order on hand, please give ***exact date*** when sent on.

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Registered Trade Mark

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PASTILLES

PASTILLES LOZENGES
TABLETS

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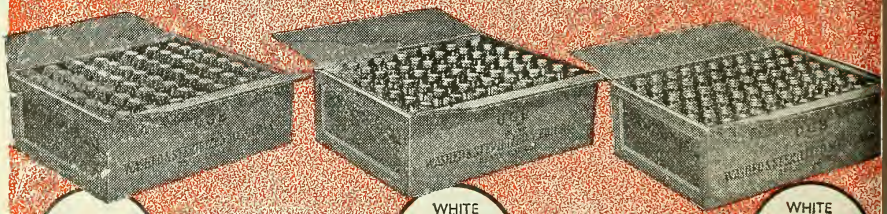

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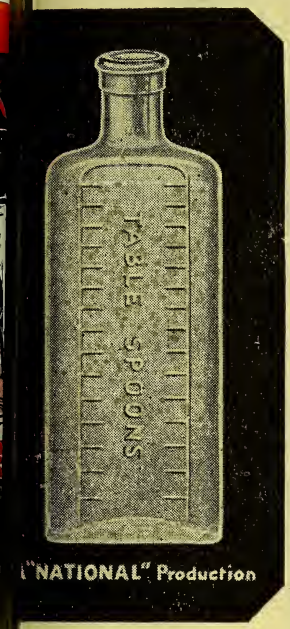

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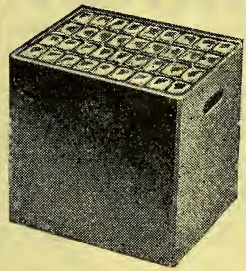

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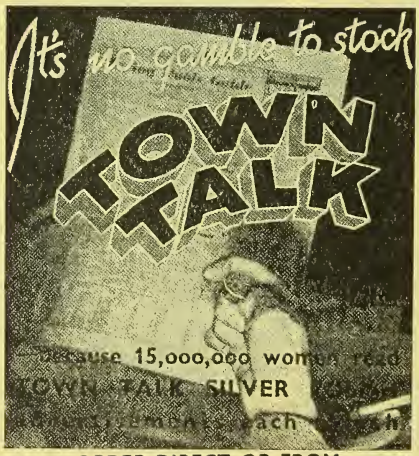

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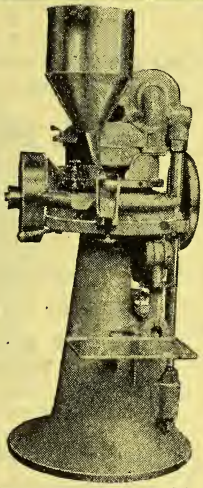

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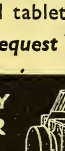

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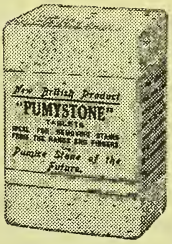

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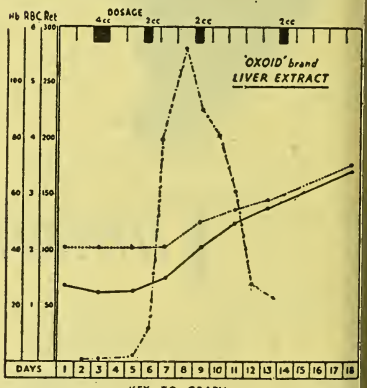

KEY TO GRAPH
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NEWS OF THE WEEK

ubber Gloves on Sale by Ministry.—A lar issued by the Ministry of Health 2780) announces that the Ministry of ly has for sale a quantity of rubber es of good household quality. These offered in reasonable numbers and for tial purposes for use in hospitals, es and mortuaries, which are directed pply to the Secretary, Ministry of ly (Rubber Control), Empire House, Martin's-le-Grand, London, E.C.1., for names of firms from which the gloves be obtained. It is stated that the es are of a quality to make them suitable any purposes for which surgical gloves normally used.

oning of Chocolates and Sweets.—A ng scheme for chocolates and sweets be introduced as soon as possible, and expected that the date of operation be June 27. There will be four zones. whole of Scotland will form the tish zone; the northern, north-eastern, north midland and eastern 1 food divisions will form the Eastern zone; the London, eastern 2, south-eastern, southern, south-western and South Wales food divisions will form the Southern zone; and the midland, North Wales, north-western and Northern Ireland food divisions will form the Western zone. After the introduction of the scheme, consumers in any particular zone will in general be restricted to supplies manufactured within that zone. A "reasonable balance of variety" will be obtainable in all zones.

Sheep Dip Manufacturers.—At an inaugural meeting on March 9, an Association of British Sheep and Cattle Dip Manufacturers was formally constituted. The object of the Association is to further the welfare of the British sheep and cattle dip industry. The officers are: *Chairman*, Mr. W. E. O. Walker-Leigh (Cooper, McDougall & Robertson, Ltd.); *Vice-chairman*, Mr. H. A. Smith (Lawes Chemical Co., Ltd.);

Treasurer, Mr. V. G. Gibbs (W. Pearson, Ltd.); *Auditor*, Mr. R. J. H. Hope (Standardised Disinfectants Co., Ltd.); *Secretary*, Mr. W. A. Williams, B.Sc. The address of the offices of the Association is 166 Piccadilly, London, W.1.

Disciplinary Inquiries.—The Statutory Committee of the Pharmaceutical Society will meet on April 8, at 11 a.m., at 17 Bloomsbury Square, London, W.C.1, to consider information and evidence received by the Committee, from which it appears that: (1) A member of the Society was convicted of manslaughter; (2) a member of the Society was convicted of using an instrument with intent to procure miscarriage: (3) a member of the Society was convicted of unlawful killing and using an instrument to procure miscarriage.

Irish-made Malt Extract.—Production of malt extract (hitherto not made in Eire) by National Chemical Industries, Ltd., in 1943, is expected to reach 100 tons. The formation of the company (see *C. & D.*, January 30, p. 108) has been speedily followed by the installation of five chemists and about twenty-five other workers in premises in Dublin. The first product manufactured—liver extract—is already on sale. Experimental quantities of insulin, adrenaline and sulphapyridine have also been produced.

Withdrawals of Authorities.—In consequence of a conviction for an offence against the Dangerous Drugs Regulations, the Home Secretary has withdrawn from Oswald White, dentist, 102 Midland Road, Bedford, his authority to be in possession of and to supply drugs and preparations to which Part III of the Dangerous Drugs Act, 1920, applies. For similar reasons the authorities of Alec Gordon Douglas Gavin, M.C., M.R.C.S., Eng., 43 Tooting Bec Gardens, Streatham, London, S.W.16, and Ian Fleming McLeod, M.B., D.P.H., 19 Snowdon Place, Stirling, have also been withdrawn.

Five-point Policy for Pharmacy.—Before the Sheffield Branch of the Association of Pharmaceutical Employees on March 12, Mr. M. Jackson (a member of the Central Pharmaceutical War Committee) outlined a five-point policy for the craft. He said pharmacy must be organised to give maximum public service; pharmacists should control dispensing services; maximum use should be made of technical knowledge and resources; remuneration should be commensurate with training and responsibilities, and there should be freedom for initiative in the development of the ser The Beveridge Report gave pharm an opportunity of putting plans befor Government.

War-time Sizes of Photographic Pape A war emergency British Standard Spec tion for sizes of photographic papers published on March 1 by the B Standards Institution on the recomm tion of its photographic industry comm On this committee are represented Photographic Dealers' Association, I Photographic Society, Wholesale P Finishers' Association, Associated P graphic Sensitised Materials Manufact British Photographic Materials Man turers' Association, Ltd.; and the Adm Research Laboratory. The agreed size accompanied by specified tolerances all on the dimensions, and maximum raw weights for single-weight and double-w papers. The Specification is obtainab sixpence post free from the Institutio Victoria Street, London, S.W.1.

Civic Aspects of Science.—A confe on "Science and the Citizen" was he the Royal Institution, London, on Marc under the auspices of the division of and international relations of the B Association. Sir Henry Dale was in the at the opening session. Sir John And (Lord President of the Council), in a mes wrote that the group of research orga tions over which he presided, together the research organisations of industry the laboratories of universities and pr investigators, would have a vital cont tion to make to the solution of pos problems. That contribution could become effective if the general p appreciated the limitations of scie research. The British Association performing a valuable public servic promoting organised examination of impact of scientific and technolo advances on the changing social c Sir Henry Dale said people had moved an era in which some knowledge of sc had become a necessity of any reason civilised life. Nothing would suffice of a recasting of schemes of educatio give science its proper and central pla every stage in elementary, secon university, and adult education. Sir Ric Gregory, presiding at the afternoon ses when the subject discussed was "Sc and the Press," said the public was r to take an active interest in the impa science upon social conditions and relations to life and labour.

TOPICAL REFLECTIONS

ine Lotion

e first paragraph of your last week's records new Board of Trade Regula- concerning supplies of calamine lotion ecified institutions. The Board's l licence covers, presumably, calamine s made to any formula. Because of riability, calamine has been a peren- ource of trouble in pharmacy. In a e account of this substance (*C. & D.*, I, 330) you mentioned the Matlock ct as the chief locality for the native ral. The keen-sighted Defoe also noted, in the eighteenth century, the mining in the south-west of England. Taking eir face value two entries in the dar of State Papers, we can fix within w limits the date of the discovery of sh calamine. In 1565 a certain William phrey reported to Cecil, Queen Eliza- s Secretary of State, that it had been hed for in this country in vain, but l be procured from abroad. About years later the same agent announced it had been found at Calver. In 1712 el Turner, M.D., published the formula e cerate still associated, in a modern- version, with his name. It was for time known also as ceratum epuloti- (cerate promoting cicatrisation). The ry of calamine lotions and liniments is h investigation; whether they date as far as the cerate I do not remember. ared calamine was official in the sh Pharmacopœia of 1885, but was ted from its successor of 1898.

Not Standardise?

may be suggested that for the purposes pharmacy a standardised calamine is due, having regard to the annoyance btaining preparations of it that vary so spicuously. Comparing the monographs he British Pharmaceutical Codex and ional Formulary VII, we find that rding to the former book calamine is asic zinc carbonate, with or without the ition of zinc oxide, and "suitably ured with iron oxide"; but according he latter book it is zinc oxide with a ll amount of ferric oxide, and contains, r ignition, not less than 98 per cent. of oxide. The difference is substantial, he B.P.C. substance yields, on ignition, n 68 per cent. to 90 per cent. of "re- ue." The respective lotions from these calamines also differ in composition. t prepared from the British formulary contains 20 per cent. w/v of mixed calamine and zinc oxide, and has rose water as the vehicle; that of the American formulary contains 16 per cent. w/v of the same powders, and has bentonite magma and lime water in about equal proportions as the vehicle. The requirements aimed at in toilet preparations are, of course, another matter.

In Czechoslovakia Then

Mr. Beregi's account of pharmacy in Czechoslovakia in days before the jackboot descended on the country is so attractive that it bears more than one perusal. Space permits only a brief comment. Remembering numerous negotiations between British pharmaceutical organisations and the War Office, one reads with amusement that male students who have passed their final examination are sent to a school where they study military dispensing for six months. As a cockney bus driver—or was it a costermonger?—is said to have remarked on a very special occasion, "There ain't no words for it." Once launched on his career, the proprietor-pharmacist is, we read, classed as a professional man, and figures, together with the vicar, the doctor and the notary, among "the notabilities of a village." Further, assistants' claims for increased salaries have been based on "the fact that the owner did not actually work" as well as on low rates of existing pay. Happy Czechoslovakia! Happy, that is, the master pharmacist. The lot of qualified pharmacists in villages capable of supporting only one pharmacy was less enviable, though the impossibility of carrying out obligations literally seems to have been tacitly acknowledged by the villagers. Whether British assistants will take a leaf out of that book is uncertain. More seriously, however, they may profitably read what the speaker had to say about organisation, remembering that conditions in one country cannot be taken for granted in another. The plan worked out in 1937 for easing burdens on small proprietors and on qualified people whose powers are declining is worth examination. Different classes of business have problems that may be similar in nature but may differ widely in relative urgency and weight. The study of pharmacy in all its aspects in different countries is a fascinating one. We in Britain have a good opportunity to learn from our Allies now in this country.

Xrayser

LEGAL REPORTS

Theft of Elastoplast.—At Hull, on March 15, Charles H. Brooks, labourer, was fined £1 for stealing a quantity of Elastoplast, value £2, the property of his employers, T. J. Smith & Nephew, Ltd. Robert Witting, charge hand, and Joseph Gordon, described as a drug store proprietor, 45a Norfolk Street, pleaded guilty to receiving, knowing the Elastoplast to have been stolen. They were fined £2 and £3 respectively.

Saccharin Tablets.—At Leeds Assizes, on March 22, J. Woolf, Bignor Street, Hightown, Manchester, was sentenced to eighteen months' hard labour for obtaining £832 by false pretences from Isaac Straskin, wholesale tobacconist and confectioner, Leeds, and £22 19s. from Wilfred Hartley, Sheffield, grocer. The prosecution alleged that Woolf obtained money from traders by selling saccharin tablets as full-strength when they were only half-strength.

Injunction Application Settled.—In the Chancery Division, on March 23, Mr. Justice Uthwatt again had before him the motion by plaintiffs in an action by Roche Products, Ltd., against Mr. Hugh Dalton, President of the Board of Trade, and Lindley Robertson Armitage, for an injunction to restrain the second defendant from acting under a supervision order made by the Board of Trade. Mr. C. R. D. Richmount, who appeared with Sir Walter Monckton, K.C., for the plaintiffs, said the matter came before his Lordship on March 2 and stood over until today. The proceedings had now been disposed of and it was thought that it was only proper to mention the motion. Mr. Justice Uthwatt: "Very well."

Unlawful Manufacture of Bath Salts.—At Blackpool, recently, Sidney Hart was fined £500 for manufacturing and supplying talcum powder and bath salts without being registered. For the Board of Trade it was stated that the powder was made from cheap chalk and the bath salts from "photographic crystals." Alleging that he was in the photographic business, Hart had obtained a large supply of crystals from a chemist. Receiving another order for a ton of crystals, a representative of the chemist found that the place to which the goods had to be delivered was a lock-up shop, smelling strongly of scent. Further supplies were stopped and Hart closed his business. For the defence it was stated that Hart made a mistake in thinking he could manufacture up to £500 worth without a licence. He later gave up the business.

Sale of Nut Oil.—At the Central Cri Court, on March 16, the Times Food ducts Co., Ltd., were fined £10,75 selling to a trade user groundnut oil palm kernel oil otherwise than in ac ance with a Food Ministry permit, an selling wholesale otherwise than in ac ance with the terms of a licence grante the Food Ministry. Quality Foods, were fined £2,850 for buying the gro nut oil, engaging in the manufactu synthetic cream otherwise than by lic and furnishing false information for purpose of the Food Substitutes (Cor Order, 1941.—Benjamin Rood, describ an ice-cream merchant, was fined £30 ordered to contribute £25 towards the of the prosecution for selling by whol 263¾ cwt. of palm kernel oil.—Do Edwards, company director, who stated to hold one share only in the T Food Products Co., was fined £200.— Kirstein Ciconi Albak was fined £475 ordered to pay £75 towards the cost o prosecution, and James Albert Kee general manager, was fined £20 for ma a false statement in furnishing informa

Female Pills.—Criticising the fact chemists are allowed to sell female of a certain type, Mr. Justice Humphr at the Birmingham Assizes, recently a Professor J. M. Webster, director of West Midlands Forensic Science Lab tory: "Is there any means by which sale of these noxious things can stopped?"—"At the present time i probably the most nefarious trade in country, and there is no legal mean stopping it," replied Professor Web On the container was a statement " to be taken by pregnant women," w instead of being a deterrent was an urg

The judge said he hoped those who power to make laws might consider whe steps should not be taken to put an en this open invitation to pregnant wome procure abortion on themselves or oth and so that persons who occupied responsible positions of chemists and such had many privileges not open ordinary tradesmen, might be preve from carrying on this nefarious trade. widows were before the judge, ha pleaded guilty to procuring pills to ind miscarriage in an 18-year-old girl. were Harriet Emmeline Hamilton Nancy Elizabeth Court. The judge sai would consider what to do with them.

TRADE NOTES

tabs Eye-cup.—These eye-baths are ned to fit the eye socket perfectly and made from clear green ophthalmic . Details will be advertised in a later of the *C. & D.*, but supplies are now able through C.F. wholesalers.

hange of Product Name.—Imperial nical (Pharmaceuticals), Ltd., Man- ter, announce that as from March 15 Avlon brand sulphamethazine is to nown and described as Sulphamezathine d of sulphadimethylpyrimidine.

dvertised to 7½ Million Cinema Goers.— ween January and October the Bisodol "There By ——" is being shown in cinemas in the United Kingdom to an nated public of over 7½ million cinema- s. A list of bookings from March 22 to 8 is given on another page.

P.A.T.A.—Arrangements have been made for all advertisements of goods on the .T.A. advertised in the *C. & D.* to y the distinguishing monogram, which been designed by the Art Department the *C. & D.*, illustrated above. The ks are made in three sizes.

rushless Cleanser for False Teeth.— C. Calvert & Co., Ltd., Manchester, e introduced Dento phenolene (im- ved formula), which is claimed to clean purify dental plates overnight without shing. The product is without effect gold pins. Dento is issued in sprinkler- tins.

"Rationing" Necessary.—Menley & nes, Ltd., distributors of Neuro phos- ates, Eskay brand, have found themselves npelled, owing to shortages and increased scribing, to "ration" all customers, both olesale and retail. Retailers are asked co-operate with them by reserving stocks meet prescriptions.

Vitamins for Britons in Captivity.—Sub- ibers who have relations or friends in panese captivity will be pleased to learn at news has been received in London that donation of 200,000 Benerva vitamin B_1 olets made to the British Red Cross by oche Products, Ltd., Welwyn Garden ty, Herts, has been safely received in e Far East.

Supplies Available.—Cranbux, Ltd., Nor- ch, state that they are again in produc- on with Odol tooth paste and powder, solid dentifrice and denture powder; immediate deliveries are promised either through the usual trade suppliers or direct. —John H. Smith & Co., Bridge Street, Newark-on-Trent, invite inquiries for Drury's Infants' Preservative, supplies of which are available.

New Hand-stain Remover.—Described as ideal for removing stains and excessive grease from the hands and fingers, a new British product, Pumystone, has been introduced by Improved Fireclay Products, Ltd., Sutton Coldfield, nr. Birmingham. Pumystone is exempt from purchase tax and Limitation of Supplies Orders; terms and particulars may be had from the makers.

Liquorice Shipment Arrives.—MacAndrews & Forbes, Ltd., 2 Caxton Street, Westminster, London, S.W.1, announce that they have received a shipment of V.B. brand Turkish liquorice block juice. Allocations have been approved by the Directorate of Medical Supplies, Ministry of Supply, and notifications have been posted to manufacturers advising them of amounts allocated to them.

Non-irritating Mercurial Diuretic.—Boots Pure Drug Co., Ltd., Station Street, Nottingham, have issued a leaflet on Mersalyl-Boots (the sodium salt of salicyl-(γ-hydroxymercuri-β-methoxypropyl)-amide-O-acetic acid), claimed to be one of the most effective and least toxic of the mercurial diuretics. Mersalyl-Boots is supplied as a solution of 10 per cent. mersalyl with 5 per cent. theophylline for injection. The theophylline is intended primarily to prevent decomposition of the salt in aqueous solution, but it also increases the rate of absorption of the fluid from the tissues. Mersalyl compound tablets are also available for oral administration, each tablet containing 0·08 gm. mersalyl and 0·04 gm. theophylline. Samples and literature will be sent on request to the medical department of the company.

Business Changes

Mr. C. V. Marshall has transferred his arcade branch to 24 Windsor Terrace, Grangetown, Sunderland.

Ormskirk Fertiliser Co. has removed to Liverpool Road, North Burscough Bridge, Ormskirk (Telephone: Burscough 2171).

Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, 1, have changed

their telegraphic address to Ayrtondrug, Liverpool.

JOHNSTON & ADAMS, LTD., chemists, Dundee, have acquired the pharmacy of Mr. James Nicoll Tait, M.P.S., 16 Maule Street, Monifieth.

MR. W. T. ELDER, 176 George Street, Aberdeen, has taken over the business of the late George Reid, M.P.S., 471 Great Western Road, Aberdeen. The business at 176 George Street is being continued.

Proprietary Articles Trade Association

Additions to Protected List.—*Pharmaceutical Specialities (May & Baker), Ltd.* Scuroform anæsthetic ointment, approx. 1 oz., 2s. 6d., 20s. doz., tax 3s. 4d. doz., inclusive retail price 2s. 9d.; Zephrol cough syrup, 2½ oz., 1s. 9d., 14s. doz., tax 2s. 4d. doz., i.r.p. 1s. 11d. These products, together with Planacrine antiseptic lozenges already included in the Protected List, are supplied at thirteen to doz. on mi mum of one doz. of each product ordered.

Alterations.—*Glaxo Laboratories, Ltd.* Pric from April 1: Berin (vitamin B_1) product Tablets, 1-mgm., 25's, 1s. 10d., 14s. 8d. do 100's, 6s., 48s. doz.; 500's, 24s., 192s. dc (dispensing size only); tablets, 3-mgm., 25 2s. 10d., 22s. 8d. doz.; 100's, 9s., 72s. do 500's, 36s., 288s. doz. (dispensing size onl (exempt from tax); ampoules, 5-mgm., 6's, 5 40s. doz., tax 6s. 8d. doz., i.r p. 5s. 7d.; 12 8s., 64s. doz., tax 10s. 8d. doz., i.r.p. 8s. 11d 50's, 30s., 240s. doz. tax 40s. doz., i.r.p. 33s. 4d Forte ampoules, 25-mgm., 3's, 5s., 40s. do tax 6s. 8d. doz., i.r.p. 5s. 7d.; 12's, 16s., 12 doz., tax 21s. 4d. doz., i.r.p. 17s. 9½d.; 50 63s., 504s. doz., tax 84s. doz., i.r.p. 70s. Nicc bin tablets, 25's, 3s. 6d., 31s. 6d. doz.; 100 10s. 6d., 94s. 6d. doz.; 1000's (new dispensi pack available April 1), 80s., 720s. doz. (exem from tax).

Wright, Layman & Umney, Ltd. Wrigh coal-tar inhaler, 4s. 9d., 43s. doz. (exem from tax).

COMPANY NEWS

BURRELLS (CHEMISTS), LTD. (P.C.).—Capital £700. Chemists, druggists, etc. Mrs. Edith R. and Harold Burrell and Charles Saunders, directors. R.O.: 12 King Street, Market Rasen, Lincs.

SURGICAL PLASTICS, LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in plastics for surgical and dental use, etc. Directors not named. R.O.: 107–15 Long Acre, London, W.C.2.

J. S. FISHER & CO. (CHEMISTS), LTD. (P.C.).—Capital £500. Wholesale, manufacturing or retail chemists, opticians, etc. William T. Haigh, M.P.S., director. R.O.: 25 Victoria Street, Holmfirth.

CARMEL (LEICESTER), LTD. (P.C.). Capital £1,000. Manufacturers of and dealers in chemicals, drugs, toilet preparations, etc. Hubert W. Tebbutt, director. R.O.: 79 Southgate Street, Leicester.

BALLA PRODUCTS CO., LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in chemicals, drugs, toilet requisites, etc. Directors not named. R.O.: Room 63, Broad Street Avenue, London, E.C.2.

PERNO MANUFACTURING CO., LTD. (P.C.).—Capital £500. Manufacturers of and dealers in soap, toilet requisites, etc. Jean A. M. Marynissen and Elsie F. Salisbury, directors. R.O.: 194–200 Bishopsgate, London, E.C.2.

SAMUEL DALE, LTD. (P.C.).—Registered in Belfast. Capital £2,000. Wholesale and retail chemists, druggists, etc. Samuel Dal Ph.C., and Richard Russel Harpur, Ph.C directors. R.O.: 1 Ebrington Terrac Londonderry.

RANDALL CHEMISTS (POOLE), LTD. (P.C. —Capital £2,000. Wholesale, retail ar manufacturing chemists and druggist Harold J. Chown, M.P.S., and Ernest V Atkinson, directors. R.O.: 235a High Stree Poole, Dorset.

GEORGE HAMPTON, LTD. (P.C.).—Capit £3,000. Wholesale or retail chemist opticians, dealers in toilet requisites, et George Hampton, M.P.S., permanent m naging director. R.O.: 66 Elm Tree Avenu Lime Tree Park, Coventry.

ADJUDICATION ANNULLED.—Gilber Errington Thornton, M.P.S., 2 Frankli Road, Harrogate. Annulled on February 2 after payment of debts in full.

INTENDED DIVIDEND.—John Smitl M.P.S., The Kennells Cottage, Cragsid Rothbury, Northumberland, trading a Town Foot, Rothbury. Last day for r ceiving proofs, March 31. Trustee, A. F Ferguson, Gibb Chambers, Westgate Roa Newcastle-upon-Tyne.

VOLUNTARY WINDING-UP.—It was r solved at a general meeting held on March that J. Fielding (Soap Manufacturers), Ltd should be voluntarily wound up. Mr. E Mayo, 12 South Parade, Leeds, 1, wa appointed liquidator.

MEDICATED SWEETS RATIONING

E Minister of Food has amended the gar Confectionery (Maximum Prices) der, 1941, and issued a general licence der the Rationing (Personal Points) der, 1942. The effect of these measures to exclude from personal points rationing the lines in the attached list "A" and include in personal points rationing all es in the attached list "B." The arrange-nts come into force on April 4 and fore the date circulars will be sent to ensed retailers and wholesalers of choco-es and sweets giving the complete lists.

List A

LINES EXCLUDED FROM PERSONAL POINTS RATIONING

tin & Sons	Dovey's Easy Breathers, Glycerin, lemon and ipecacuanha.
Barnett & Co., Ltd.	Barnips.
rratt & Co., Ltd. ..	Linseed, liquorice and chlorodyne lozenges, Eucalyptus gums.
Bassett & Co., Ltd.	Linseed, liquorice and chlorodyne lozenges, Menthol and eucalyptus gums.
ttlebury Confectionery Co.	Epidemic ovals.
ech Confectionery Co., Ltd.	Cheks, Sela-Cough
llett & Co., Ltd. ..	Dr. Cook's Brompton tablets, Throat and voice tablets.
. Birkbeck	Medicated candy.
. A. Bitchener ..	Cough drops.
ristow's of Devon ..	Clarion throat tablets.
hn Buchanan & Bros., Ltd.	Dr. Smile's pastilles.
. J. Bufton	Tips.
ycroft & Co., Ltd. ..	Dr. Johnson's bronchial lozenges.
larke, Nickolls & Coombs, Ltd.	Linseed, liquorice and chlorodyne lozenges.
V. Cockroft	Dr. Kure's cough pastilles.
I. A. Craven & Son, Ltd.	Linseed, liquorice and chlorodyne lozenges.
. Dewbury & Sons ..	Relievers.
Diamints, Ltd. ..	Lawrence cough cubes, Kur-a-Kof.
V. Docwra & Co. ..	"Dr. Utting's" chloryl tablets, First-aid throat pastilles, Eucalmenthol tablets.
Mrs. H. Dome ..	Herbal tablets.
Don Confectionery Co.	Heart C gums.
Fryer & Co. (Nelson), Ltd.	Antiseptic pastilles, Menthol and eucalyptus pastilles, Victory gums, Parkinson's Kilkof Kubes, L.L.V. lozenges.
B. Dunford & Sons, Ltd.	Stop Barkers.
J. Finegan & Sons ..	Nip-a-Kofs
C. Garnett & Sons, Ltd.	Thors.
Gibson Bros., Ltd. ..	Parkinson's lung lozenges, Birrell's linseed, liquorice and chlorodyne lozenges, Bradford Bros.' linseed, liquorice and chlorodyne lozenges, McColl's linseed, liquorice and chlorodyne lozenges.
R. Gibson & Sons, Ltd.	Linseed, liquorice and chlorodyne lozenges, Chest and lung tablets, Sulphur tablets.
I. Glickman	Winter drops.
R. Gray	Phizicians.
F. W. Hampshire & Co., Ltd.	Zubes.
Harris Bros.	Flunips.
T. Hodgson (Accrington), Ltd.	Certs.
Ivanhoe Confectionery Co., Ltd.	Zills.
E. Jackson & Co., Ltd.	Throaties, Linseed, liquorice compound lozenges, Linseed, horehound, compound lozenges.
Jakemans (Confectioners), Ltd.	T.C.L. tablets.
Keyson Confectionery Co., Ltd.	Liners.
W. King & Son ..	Cough tablets.
George Law & Co. ..	Hospital throat tablets, Lungettes, Herbal tablets, Sulphur tablets.
John Lewer	Lewer's herbal tablets.
J. W. Lightbown & Sons, Ltd.	Grips.
Lofthouse & Saltmer, Ltd.	Honey pines, Sulphur tablets.
Martin & Kirt ..	Menthol and eucalyptus.
George Martin (Confectioners), Ltd.	No. 10 drops.
Maynards, Ltd. ..	Huskies.
Needler's Ltd. ..	Bronchia lpastilles.
Old Betty Plants, Ltd.	Lung-Ohs, Huskies, Herbal cough tablets.
Old Chester Toffee Co., Ltd.	Special Chesters.
P. Panto & Co., Ltd...	Jilps.
Parsons & Co. (Stockton), Ltd.	Aunt Judy's comforts.
C. F. Parkinson ..	Kofenders.
Pettingale & Young ..	Flu-its.
Pharmacy Confections (The)	Catarrh tablets, Glycerin of thymol tablets.
Powell's Pure Products (Bath), Ltd.	Cogs.
P. E. Quiggin.. ..	Curems.

H. J. Roberts ..	Snips, Hero cough tablets.
Rowlands	Black Knights.
Rowley's Candy Store	Bronchial tablets.
Rowntree & Co., Ltd.	Glycerin of thymol, Iodine and blackcurrant, Menthol and eucalyptus, Bronchial pastilles, Linseed, liquorice and chlorodyne lozenges, Cough gums, Nasal pastilles, Antiseptic gums, Brompton Hospital cough lozenges.
Salmon & Sons ..	Koffstoppers.
H. G. Sayer	Jebes herbal tablets.
Scottish Co-operative Wholesale Society, Ltd.	Q.R.M.S. (Curems), Linseed, liquorice and chlorodyne lozenges, Cough tablets, Bronchial pastilles, Linseed, liquorice and chlorodyne pastilles.
E. Sherring	Koff Easers.
Sherwood Confectionery Co., Ltd.	Sir Nynes.
J. F. Smith & Co., Ltd.	Nebo tips.
Squirrel Confy. Co., Ltd.	Sisters throat pastilles, Linseed, liquorice and chlorodyne gums.
Taverner & Sons, Ltd.	Dr. Edmund's antiseptic gums.
Teasdale & Co., Ltd...	Nipits, V.C. pastilles, Linseed, liquorice and chlorodyne lozenges, Catarrh pastilles, Linseed, liquorice and chlorodyne gums, Bronchos, Dr. Kure's pastilles.
A. Upton	Cough pastilles.
Vitamint Manufacturing Co.	Little doctors.
West Countree Confectionery Co.	Catarcofs.
White, Hudson & Co., Ltd.	Hacks.
W. G. Wilkins ..	Koffic cough sweets.
E. Wilson	Oil sweet.
Winnicott & Co., Ltd.	Q.U. tablets.
Zems, Ltd.	Zems, Chessies.

List B

Lines Included in Personal Points Rationing

Allen & Hanburys, Ltd.	Sugarless fruit pastilles, Sugarless lemon pastilles, Glycerin pastilles, Blackcurrant and glycerin, Delectable pastilles.
Astin & Sons	Dovey's medicated cough drops.
H. L. Barnard ..	Cough tablets.
Birrell, Ltd.	Dr. Remo's table
G. Bottley	Herbal candy.
L. Brimelow & Son..	Linseed toffees, seedine tablets.
Clarke, Nicholls & Coombs, Ltd.	Mitcham mints.
Cranford (F. Voce) ..	Special cough dro
Cupal, Ltd.	Glycerin and bl currant pastil Swiss barks, Iod buttermints, Or barley crystals.
A. Danta	Cough candy.
Dulcet Confectionery, Ltd.	Skuse's herbal tab
J. Finegan & Sons ..	Finnips.
Gibson, Bros., Ltd. ..	Extra strong mint
Heather Confectionery Co.	Buckfast ho lozenges, ho glycerin and bl currant, hon glycerin and le honey diges mints.
T. Hodgson (Accrington), Ltd.	Dr. York's ston mints.
E. Jackson & Co., Ltd.	Brompties.
A. Kirk	Herbal candy.
Martin & Kirt ...	Kirma throaties.
Meggeson & Co., Ltd.	Glycerin and bl currant pastilles
George Nelson, Dale & Co., Ltd.	Gelatin lozenges.
Old Chester Toffee Co., Ltd.	Herbo beans.
Paramount Products, Ltd.	T.C.L. tablets.
H. J. Roberts ..	Iodised throat tab Windjamme Throat, chest lung gums, fashioned th pastilles, Black rant and glyc pastilles, Ler honey and glyc pastilles, Bl currant gums, E strong pepper lozenges.
J. Rushton & Sons ..	Throat and lung to
Salmon & Sons ..	Cough drops.
Savory & Moore, Ltd.	Fructole glycerin blackcurrant tilles.
E. Sharp & Sons, Ltd.	Finegan's Nip-o-M
A. L. Simpkin & Co., Ltd.	Barley-sugar bri Barley-sugar halibut liver oil.
Smith Bros.	All Fours cough dr
M. Stockley	Dr. Hannah's co caramels, Cherry l and aniseed.
Stuarts (Sowerby), Ltd.	Cough candy.
J. A. Turner	Cough candy.
Wigglesworth, Ltd. ..	Gluco cherry coug
Winnicott & Co., Ltd.	Dr. Maclean's diges mints.
X.L. Rock Co.	Cough candy.

PHARMACY AND STATE MEDICINE

annual meeting of the Edinburgh and h-eastern Scottish Branch of the maceutical Society was held at 36 Place, Edinburgh, on March 17. J. H. Tainsh (chairman), who presided, red to the death of the vice-chairman J. R. Sutherland, Dalkeith) and ght that a recognition of Mr. Suther- s great services should be minuted an excerpt sent to his widow.

n the motion of MR. HENRY, seconded MR. HEDDERWICK, the annual report adopted and, on the motion of MR. D, seconded by MR. HARLEY, the icial statement was adopted. The wing office-bearers were elected: J. H. ish, Edinburgh, *Chairman*; W. A. tie, Edinburgh, *Vice-chairman*; Charles Drummond, 38 Grassmarket, Edin- h, *Secretary and Treasurer*; and as bers of *Committee*, Messrs. J. E. our, Edinburgh; R. Gordon Drum- d, Falkirk; David Harley, Joppa; Hedderwick, Edinburgh; James Henry, shiels; P. T. McLaren, Edinburgh; Marshall, Edinburgh; Peter Nisbet, h; J. C. Somerville, Edinburgh; A. C. vart, Kirkcaldy; James Teesdale, Edin- gh; and Thomas Wilson, Burntisland.

HE CHAIRMAN then called on Mr. sdale to give his paper on:—

e Pharmacist's Rôle in the Health Services

By JAMES TEESDALE, M.P.S.

[ABSTRACT]

t is now generally agreed that drastic changes our present health services are necessary. publication of the Beveridge Report en- sed this view and stated emphatically no eme of social security would work satis- torily without "comprehensive health and abilitation services for prevention and cure lisease and restoration of capacity for work, ilable to all members of the community." armacists must survey the health services a whole. They must consider not only their n sectional interests but also the point of w of the people and of other medical workers. e nation should be vitally interested in the alth services. Unfortunately at present the ople are not encouraged to take an intelligent erest in their health. Their views are seldom ked for or considered. The absence of any heme of health education in our schools is a rious omission.

Directly arising from this ignorance is the alarming extent to which the British public indulge in self-medication. It is estimated that £30,000,000 is spent annually on patent medicines. Under an economic system which does not make adequate provision for the care and maintenance of a sick person or his dependants it is obvious that anything will be tried in order to avoid having to remain away from work. The patent medicine manufacturers' advertising campaign is most concentrated in working-class papers. It is estimated £3,000,000 is spent annually in advertising these preparations. Chemists are aware that they are not only of doubtful value in many cases but also that by delaying the application of proper remedies, if not actually aggravating the condition, they may prejudice the patient's future health. The Pharmacy and Medicines Act, 1941, presented the manufacturers with an almost unlimited field for the distribution of these products.

Inadequacies of N.H.I.

At present medical service is centred round the individual general practitioner. Most workers are entitled to free medical benefit through the National Health Insurance scheme. Chemists are only too well aware of the inadequacies of that scheme. It does not provide for the dependants of the insured person, although they are often in need of medical assistance for which they cannot afford to pay. It does not include specialist, hospital, *x*-ray or laboratory services. Dental and ophthalmic benefits are additional benefits only and the grant given depends upon the financial state of the approved society. Possibly the most serious indictment of all against the scheme is that it makes no attempt to maintain health and prevent disease. Hospitals are a vital part of any medical service. We have two totally different and unrelated hospital systems —the voluntary hospitals and the public hospitals. The best of these hospitals undoubtedly give a very good and a very complete medical service. But the fact that voluntary hospitals have to maintain a constant struggle to discover new methods of raising money and recovering part of the cost of maintenance from the patients is reflected in the very low remuneration of the resident, nursing and pharmaceutical staffs and in the inadequate size of these staffs. That concludes a brief review of our present services with the exception of the pharmaceutical aspect. These services fall seriously short of what has been accomplished

in other countries. Most European countries have their "polyclinics" or health centres

Published Plans

Various bodies have published their views on the reorganisation of the health services and many will be familiar with the views of the Medical Planning Commission of the British Medical Association and of the Socialist Medical Association. Both are agreed that the aim of the health services must be the achievement of positive health. There is agreement on the necessity of establishing a central authority and for regional organisation of the health services. There is also agreement that so far as possible the patient should have a free choice of doctor, and the principles of group practice and of the establishment of health centres are accepted. The reports agree that a pharmaceutical service should be available at these centres. In what respects do the reports differ? They differ fundamentally in that while the B.M.A. envisages a development of the present N.H.I. scheme to include dependants and provide a specialist service, etc., they insist "that those members of the community who decide not to avail themselves in part or in whole of the benefits of the service open to them should not be precluded from obtaining the medical services they desire from doctors within the scheme, paying for such services privately, with the necessary safeguards to prevent abuse." The S.M.A. recommends a State medical service and a single standard of medical care. To return to the B.M.A. proposals. The medical services under the Beveridge Report will cover 100 per cent. of the population. But this will not, of itself, put an end to private practice. Those who have the desire and the means will be able to pay separately for private treatment if the medical service is organised to provide that. The B.M.A. assumes that the present N.H.I. contributors and their dependants amount to 90 per cent. of the population. This leaves about 10 per cent. of the population whose incomes would be sufficiently large to enable them "to prefer to make private arrangements for medical attention and hospital treatment." But with 90 per cent. of the population using the new services the scope of private practice will be so restricted that it will hardly be worth preserving.

Employee Representation

Membership of the Pharmaceutical Society is dependent solely upon whether a person is registered either as a pharmaceutical chemist or chemist and druggist. Membership has ceased to be predominantly comprised of employer pharmacists. According to the Registrar's returns for 1942 there are 25,133 members of the Pharmaceutical Society; of these it is probable that not more than 40 per cent. of the members are now owners of businesses. At least 60 per cent. of the Society's members are employee pharmacists, yet when the composition of the Council is examined it will be found that of the twenty-one elected members, only one is an employee. When the composition of the North British Executive is examine will again be found that only one member c be classified as an employee. If the p maceutical services are to be fully develo there must be a strong and truly representa Council looking after our interests.

Hospital Pharmacy

In regard to the so-called "ethical" prep tions, the readiness of doctors to accept views put before them by manufacturers is always justified. A subcommittee of Medical Research Council should be set u examine every new drug or chemical offere the medical profession. Steps must also taken to prevent the same product b marketed under a bewildering variety of t names. In hospital pharmacy the pharma is engaged primarily in pharmaceutical w He has greater opportunities of applying professional knowledge and ability. He i the most advantageous position to keep u date with developments in the prevention treatment of disease. He is in close con with the medical profession and can do muc improve the status of pharmacy in its relat with the medical profession. The remunera of hospital pharmacists has improved an improving, but there is still need for fur improvement in this matter. Pharmaceut service is at its best in our hospitals. Hosp pharmacy gives the best indication of how pharmaceutical services should be exten with the provision of health centres. dispensing departments of most pharma are inadequately equipped. Very few have facilities for the preparation of sterile solut or for the storage of vaccines and sera. rapidly increasing proportion of the total tr is being handled by company and co-opera pharmacies. This development will inevita be intensified after the war. The choice is g to be between acceptance of a State med service or extermination by the multiples. chemists want full use to be made of t professional knowledge and skill they n decide on the principle of a State med service with full-time salaried employment all its members. As a consequence of t private practice, both medical and phar ceutical, must ultimately disappear as he centres and additional hospitals are establish

Discussion

Mr. Perrins said he had listened to t paper with great pleasure but with s amount of disagreement. Mr. Teesdale s there should be health teaching in the scho In connexion with maternity hospit mothers were trained while there to look a their baby on sound health lines but, unfor nately, this was not carried out on return home. He thought the mothers should educated in this direction. He would like know what steps Mr. Teesdale had in mind stopping the sale of proprietaries and how th could be taken. Mr. Teesdale mentioned t if the scheme was good enough for 90 per ce

being the proportion who would probably under the scheme) then the other 10 per should be made, he took it, to go under me scheme. He thought they were fight- r freedom today, and if he did not wish n the 90 per cent. was he to be compelled so? Regarding the Council election, he d that the majority of people did not r to vote and that had led to the present of affairs. If, after the war, employees d employee members they would get them the Council. He thought it would be a of time and paper to carry out an election e present time. Regarding hospital phar-, he would like to ask Mr. Teesdale how hospitals he had visited and if he realised thing that was carried out in hospitals. l Mr. Teesdale tell him who were the sted bodies to whom they were to join to co-ordinated health service?

. McFadyen asked if the Charter enabled ociety to look after all its members.

. McDougall said he noted in the Press representatives of the B.M.A. had been ing the Ministry of Health. He would like now if the Pharmaceutical Society were esting themselves in this matter and had deputed people to meet the Ministry of th in connexion with the future of health ces.

ter Revision Urged

. Teesdale said with regard to the 90 per who would come under the scheme, they fighting for freedom for a majority and not minority of 10 per cent. He would be quite y, should the Council not want an election wish to be representative, if they would let n members resign and make way for seven loyee members. He thought they should inue to urge that elections should be held, that the Council should be made a repre- ative body. He was quite aware that it was ssary to restrain the impetuosity of youth there was a necessity for youth being there rovide the driving force. Regarding hos- ls, he had been employed in one in London six years before the war. The bodies with m they should co-operate were the medical ession, the nursing profession, and all the r workers in the medical services.—Reply- to Mr. McFadyen, Mr. Teesdale said the rter of the Pharmaceutical Society definitely not cover all the interests of all the pharma- s or even of those who were members of the iety. The Charter had not been revised e it was stated that the Society was organ- for the protection of those who carry on business of chemist and druggist. That rter should now be revised to protect all rmacists, whether running a business or ng as an employee.

Ir. Stewart said the question of the nber of medical centres and the number of ensers employed would be a matter of vital ortance, both to employer and employee.

Ir. Teesdale said the question of centres, etc., uld, of course, be a matter to be decided by experience. In a large town there would be several centres where the people would be periodically examined and the necessary facilities given for x-ray and laboratory work.

Council Looking Into It

Dr. Tait said he had to congratulate Mr. Teesdale on giving such an excellent paper. He would point out that the Government had accepted in general the medical service scheme of the Beveridge Report. This was the part in which they were concerned. There was going to be a comprehensive unified, medical service to cover everybody—man, woman and child—and they would have to see that the pharmaceutical side was carried out by fully qualified and trained pharmacists. Mr. McDougall asked if anything had been done in the way of deputing people to meet the Ministry of Health, as had been done in the case of the B.M.A. He (Dr. Tait) would like to say that, while the Council were looking after this matter, a letter had been sent from there to the Secretary of State for Scotland, asking that pharmacists should be taken into consultation at an appropriate stage. With regard to elections, his experience showed that one got a response from only one-third of those communicated with. He was afraid all the employees were not as interested in elections as Mr. Teesdale and others present at the meeting. In connexion with social advances he thought great progress had been made in the last thirty or forty years in the way of improving social and health conditions. He thought fresh air, proper sanitation, wholesome food, plenty of sleep and recreation, would do more for the health of the community than medicine, and all these things were slowly but surely being attended to. In the hundred years of the Pharmaceutical Society's existence they had attained a remarkable system of education and could now come right up to degree standard. They had a membership of 25,000 and had vested interests. He thought in making any plans the B.M.A. would be pleased to co-operate. They must insist that all dispensing be done by the pharmacist—whether for health centres or team groups. He wondered how many pharmacists could train apprentices properly nowadays, and thought that this presented a problem, owing to present-day conditions. He would like to ask Mr. Teesdale how they could stop proprietaries. He thought at the present time it seemed a pretty hopeless task.

Mr. Teesdale said it was only by organisation and concerted action that anything could be stopped, and he thought if all pharmacists organised together to stop the sale of proprietaries a very heavy blow could be dealt to this evil. He knew that a number of individual chemists had taken steps to stop the sale of proprietary articles and, with the present scarcity of substances, the present was a good time to do more in this direction.

Mr. Drummond said they had to face up to big changes taking place and would have to be prepared for every possible happening. They must be in a position to stake a claim which

could be justified. It remained to be seen under what conditions dispensing would be done in the future. There was no fear that there would be too many dispensers, but they might have to face up to a situation in which only qualified dispensers would do dispensing. The personnel in pharmacy was not by any means entirely composed of people dealing with pharmacy pure and simple. There was a time when the unqualified assistant occupied the stage between apprenticeship and qualification, but such was not the case nowadays. A new class of shop assistant had arisen. At the present time entry into pharmacy was restricted, and there were very few apprentices coming forward, which meant a possible shortage of personnel in a matter of twenty or thirty years.

Mr. Nisbet said he had never been in favour of clinics, mainly because of the distribution of medicines from these places. He thought chemists were well enough equipped to dispense all medicines required, and should seek for an extension of the National Health Insurance Acts, with, of course, better remuneration.

Mr. McKay asked what part employed pharmacists would play in the building up of the future of pharmacy.

Mr. Teesdale said the employed pharmacists should study the position carefully and then organise together as a body. There were very few employee organisations and these did not get the support they should, considering the number of employee pharmacists. There was no reason for delaying action, and the employee organisations must try to secure terms under the new health service and should endeavour to be adequately represented on the Council of the Society.

Mr. Somerville said, regarding representation on the Council, the difficulty was that it was economically impossible for the great majority of the younger people in pharmacy to act as a member of Council owing to the necessity for being away from home for at least three days each month.

Edinburgh and District Chemists' Trade Association

Mr. Adamson, one of the oldest members of the Trade Association, said that for some years the work of the Association had been in abeyance and it was proposed that activities should be resumed. The committee felt that the constitution of the Association should be such as to enable it to deal with certain matters that the Society could not touch. Mr. Somerville said the committee had drawn up a new constitution more in keeping with the needs of modern pharmacy and he would ask this meeting to give its approval.

This was agreed to by the meeting, which proceeded to elect the following office-bearers: Mr. J. C. Somerville, *President*; Mr. W. R. McKay, *Vice-president*; Mr. F. J. D. McDougall, 463 Lawnmarket, Edinburgh, *Secretary*; Mr. J. S. S. Tully, Leith, *Treasurer*; *Committee:* Miss Hawick and Messrs. Hudson, McFadyen, McKinlay and Mathison.

PERSONALITIES

Dr. A. J. Ewins, one of twenty ne elected Fellows of the Royal Society, tered the Wellcome Physiological Rese Laboratories in 1899, and graduated B (London), in 1906. He joined the s of what is now the National Institute Medical Research in the same year, an 1917 accepted a post with May & Ba Ltd., for research and development chemotherapy. The most recent worl the laboratories has been concerned w the sulphonamides and with the invest tion of a new series of aromatic diamidi Dr. Ewins' present position is that director of research and a member of board of directors of May & Baker, l —Other new Fellows include Profe Alexander Fleming (professor of bacte logy, St. Mary's Hospital, London), searches on penicillin; and Professor P Buxton (director of the department entomology, London School of Hygiene Tropical Diseases), an authority on lic

BIRTHS

Clarke.—At Forest Hydro Nur Home, Walthamstow, London, E., March 15, Dorothy Clarke, M.P.S. Taylor), the wife of Lindsey R. Cla M.P.S., of a son.

Thompson.—At the Pharmacy, Sciss Yorks, on March 21, the wife of Clif Thompson, M.P.S., of a daughter.

DEATHS

Bayne.—At Edinburgh, on March Mr. Thomas Bayne, L.P.S.I., 21 Bel Avenue, Edinburgh. Mr. Bayne was many years a representative of T. & Smith, Ltd., Edinburgh.

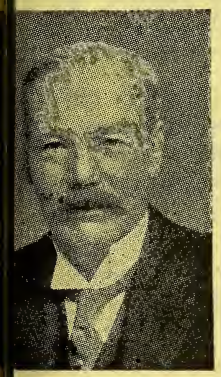
Bell.—At his home, 5 Waverley race, Marsh, Huddersfield, on March Mr. Robert Armstrong Bell, M.P.S., gov ing director of R. A. Bell & Co., Ltd., wh sale and manufacturing chemists, Hudd field, aged seventy-three. Mr. Bell was b at Melkridge, Haltwhistle, Northumberla on June 29, 1869. He was educated Henshaw Church of England School, H whistle, and served his pharmaceut apprenticeship with Mr. T. McCall, Wig Cumberland, from 1885. He continued pharmaceutical training at Dr. Mut School, South London, and Duncan's Ro Dispensary, Edinburgh, and Huddersf

nical College, qualifying in Edinburgh 895. Early in his career Mr. Bell was tant to the late Mr. J. H. Dickinson, Street. Mr. Bell was formerly a mem- of the Huddersfield Liberal Club. He been treasurer and president of the Trinity Football Club and vice-presi- of the Huddersfield Sunday Schools' ball Association. Mr. Bell was un- ied. The interment took place at shaw parish church, Northumberland, Iarch 18.

VGOTT.—On March 19, Mr. John William ott, Ph.C., 67 Milford Drive, Levens- ne, Manchester, 19, aged seventy-seven. al took place at Southern Cemetery on ch 24.

UNCANSON.—In London, recently, Mr. es Duncanson, M.P.S., 4 Taviton et, London, W.C.1, aged sixty-eight. A of the late Mr. William Duncanson, nist and druggist, Stirling, he served apprenticeship with Fraser & Green, nists, Glasgow, and gained experience London before returning to Stirling to me control of his father's business in Street. This business he continued to y on until 1930, when he returned to don.

ILLARD.—At Enfield, on March 17, Edgar James Millard, Ph.C., F.C.S., aged seventy-seven. Mr. Millard joined the business of C. J. Hewlett & Son, Ltd., in 1890; in 1908 he was appointed managing director, from which office he retired in 1939. Mr. Millard was senior honorary auditor of the Pharmaceutical Society. His passing will be deeply regretted by a large number of friends.



Mr. E. J. Millard

REDGROVE.—On March 11, Mr. Herbert nley Redgrove, B.Sc., F.I.C., Pang- rne, Berks, aged fifty-six.

RHODES. — On March 6, Mr. Ernest odes, M.P.S., 71 High Street, Upper- l, nr. Oldham, Lancs. Mr. Rhodes alified in 1930.

ROBERTS. — Recently, Mr. Raymond Arthur Roberts, M.P.S., 16 Hartshill Avenue, Oakengates, Shropshire, aged twenty-six. Mr. Roberts qualified in 1941 and was a pharmacy demonstrator at the Central Technical College, Birmingham.

RUTHERFORD.—Recently, Mr. William Rutherford, chemist and druggist, Portland Road, Longsight, Manchester, aged eighty-one.

SCRUTON.—On March 10, Mr. Frederick William Scruton, M.P.S., 53 St. Hilda's Road, Harrogate, aged seventy-three.

STUART.—On March 9, Mr. George Paul Stuart, M.P.S., 113 Washway Road, Sale, Cheshire, aged fifty-three.

TURNER.—Recently, Mr. Robert Michael Turner, chemist and druggist, Oundle, Northants, aged seventy-nine. Mr. Turner qualified in 1893. For half a century he carried on the business at Market Place, Oundle, founded by his father and later acquired by Frank Hall & Sons, Ltd.

WALFORD.—At Dumbah, Prestbury, Macclesfield, on March 12, Mr. Samuel Matthew Walford, joint governing director of Walford & Co., Ltd., essence distillers, Manchester, 10.

RECENT WILLS

MR. FREDERICK AUGUSTUS SPEAR, M.P.S., 19 Connaught Avenue, Plymouth, who died on December 5, 1942, left £3,129 gross, with net personalty £1,992.

MR. GEORGE BRUCE, M.P.S., 126 Boston Avenue, Southend-on-Sea, who died on December 9, 1942, left £4,464 gross, with net personalty £2,807.

MR. PETER BRUSEY COW, Darentlea, Eynsford, Kent (late chairman of P. B. Cow & Co., Ltd., rubber manufacturers, London, S.W.16), who died on January 18, left £11,512 gross, with net personalty £8,091.

MR. FRANCIS JOHN TENNANT, Hyndford House, North Berwick, at his death on September 4, 1942, a director of Charles Tennant, Sons & Co., Ltd., chemical manufacturers, left personal estate in Great Britain valued at £182,316.

MR. HERBERT DAVID SAMUELS, 42a Hove Park Villas, Hove, Sussex, for fifty years managing director of A. Levermore & Co., Ltd., London, E.C.4, who died on November 5, 1942, left £1,006 gross, with net personalty £746.

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L. CXXXIX MARCH 27, 1943 NO. 3294

e fact that goods made of raw materials short supply owing to war conditions are vertised in this paper or described in its torial columns should not be taken as an lication that they are necessarily available export.

Health Schemes in the Four Years' Plan

R. CHURCHILL'S broadcast on March 21 ntained many constructive pronouncents and embodied a suggested four ars' plan which combined caution with terprise. In dealing with home affairs e Prime Minister said he was very keen a scheme for the amalgamation and tension of our present incomparable surance system, and that he and his lleagues were strong partisans of national mpulsory insurance for all classes for all rposes from the cradle to the grave. very preparation, including, if necessary, eliminary legislative preparation, would made with the utmost energy, and the cessary negotiations to deal with existing orthy interests were being actively pured, so that when the moment comes erything would be ready.

Speaking on the subject of the nation's alth Mr. Churchill said: "We must tablish on a broad and solid foundation national health service. . . . The care of e young and the establishment of sound, gienic conditions of motherhood have a aring upon the whole future of the race hich is absolutely vital. Side by side with that is the war upon disease, which, let me remind you, so far as it is successful, will directly aid the national insurance scheme. Upon all this planning is vigorously proceeding."

Consultations with Interested Bodies

Thus the proposals contained in the Beveridge Report occupied a leading place in the projected Four Years' Plan, and subscribers to THE CHEMIST AND DRUGGIST should be well aware that the Government has already had consultations with a number of bodies interested in health reform plans. We have urged on several occasions lately that the Pharmaceutical Society should take appropriate steps in the interests of members, and this week has brought to light two moves in this direction, namely, a question in Parliament (see p. 330), and the statement by the secretary of the North British Branch of the Society that a communication has been sent to the Secretary of State for Scotland (see p. 321). This is all to the good but it does not go far enough, and the Society might well consider taking similar action to that taken by the British Medical Association. Even if the Council of the Society cannot divulge its plans to members at the present time —assuming it has any—it should set up an advisory committee representative of all sections of the trade, and further give an undertaking that before any final scheme is put before Parliament the rank and file of pharmacy shall have had ample opportunity not only to discuss the proposed plans, but shall have had access to details of the negotiations with the Government.

Danger of a Political Issue

One of the dangers at the present time, so far as discussions among pharmacists are concerned, is that they are inclined to debate the problem of the pharmacist in future health services in light of a position which may arise in, say, ten years' time and regardless of the intervening period. Another matter in this connexion, and a most important one, is the tendency for the pharmaceutical problem—as indeed the national one—to become a political issue, and this would be a most undesirable state of affairs. The Prime Minister considered

that social developments should not come into operation until the war has been won, but that the groundwork for them should be prepared so that the Government of the day would be in a position to go ahead. It behoves the Pharmaceutical Council, therefore, to realise that "looking after the matter," as the North British Branch secretary says the Council is doing, unaccompanied by action, does not achieve much. Other bodies are showing considerable activity and pharmacy must do likewise.

Denmark's "Medical Utopia"

When a doctor uses the phrase "unattainable medical Utopia for this country" about an organisation of pharmacy described as "the ordinary normal state of affairs" in another country, it is time for chemists in Britain to take note. However pharmacy may fall short in the eyes of the medical profession (and it has its good features), chemists are well aware of the economic facts that tend to make their shops look unprofessional and should endeavour to make the facts more widely known among both doctors and the general public. The descriptions appear in a letter by Dr. D. Ockman in the "British Medical Journal" of March 13. They are a comment upon an earlier letter ("British Medical Journal," February 6, p. 178) by a Coventry doctor who wrote:—

> It is too little known that there are countries which have dealt radically and adequately with the questions of self-medication. Having been fined by the Coventry Panel Committee for excessive prescribing, I inquired into the arrangements in Copenhagen when I was there in 1939. Danish chemists are forbidden to sell medicine without a prescription from a doctor. Manufacturing chemists have not only to disclose their formulas but also their costs. A medical board only allows the manufacture of proprietary remedies when the sale price bears a relation to cost which is thought to be just. It is noteworthy that the manufacture of amidopyrine has been prohibited in Denmark —that in consequence the incidence of agranulocytosis is negligible. The appearance of the chemist's shop is characteristic of the arrangements which govern its business. It contains a full pharmacopœial range in neat bottles and little else. The chemist must live on the premises and must get up at night when required to dispense urgent medicines. Finally, excessive prescribing is checked by calling upon the patient to pay a small proportion of the cost of drugs—a cost w the Government ensures is reasonable. Denmark doctors are never fined for u the therapeutic resources which are avai to them.

It is to be noted that three short tences in this letter deal with chem shops in Denmark. The remainde concerned with self-medication, exces prescribing, manufacture and sale of prietary and other medicines, payment dispensing, and limitations imposed u prescribers. From the fact that the le is published under the title "The Chem Shop in Denmark," it would appear these three sentences are the part to w the editor of the "B.M.J." attaches greatest importance, or which refers t matter in greatest contrast to the sys prevailing in this country.

Pharmacy Improvement

The improvement of chemists' shop a subject we have very much at heart, it is a gratifying and hopeful sign that doctors show a similar concern. But whatever degree chemists are to blame the "unprofessional" appearance of t shop windows or counters, it cannot denied that important contributing fac are (*a*) the fact that the dispensing car out for the Government under contract notoriously to be subsidised by other tions of the business, and (*b*) the gre freedom from control enjoyed by manufacturers of proprietary medicine this country than in Denmark. Incidenta the chemist's qualification has often b exploited in circumstances in which has been powerless to retaliate.

What Prompted the Danish Control

It is not without significance t proprietary control in Denmark was stituted as a protection of the public initially against the manufacturers, even against the chemists, but actu against excessive prescribing of propri ries by doctors. In 1926 (see *C. & D.*, 19 II, 792) 20 per cent. of prescriptions ca for proprietaries, and the average cost dispensing them was four kroner api The average cost of the remaining 80 cent. prepared from non-proprietary in dients was two kroner. We should be l

suggest that action for similar reasons called for in this country—though the ine in prescribing has been commented n in some quarters. Nevertheless, just vell-intentioned legislation may have an reseen indirect result, in the same way he "widow's clause" led eventually to establishment of company pharmacy, control of proprietaries similar to initiated under the Pharmacy and licines Act, 1941, might eventually l to a more professional appearance in rmacies. An even greater contribution ld be made by the provision of adequate uneration for the pharmacist's profes- al services, relieving him of the neces- alternative of developing trade in lines. These are not visionary possi- ties that are incapable of achievement, they would take us a long way along road to that state which Dr. Ockman dismissed as "an unattainable medical pia." In the end of that road the tors and general public have as great ake, if they could be made to realise it, chemists themselves.

TRADE MARKS

om "The Trade Marks Journal," March 10)

SLIPON"; for pharmaceutical preparations for reducing obesity (5). By H. Gadiel, 66 Ashford Court, Ashford Road, Willesden Green, N.W.2. 621,214.

UBRIX"; for pharmaceutical lubricants for human and veterinary use (5). "EMBIVAC"; for all goods (5). "EMBEKEM"; for all goods (5). By May & Baker, Ltd., Dagenham, Essex. B621,374; 621,570; 621,728 (Associated).

ERIDIAN DOUBLE LOCK" in device form incorporating interlocked padlocks ("Double Lock" disclaimed); for bandages, etc. (5) and for surgical belts, etc. (10). By J. B. Lewis & Sons, Ltd., Meridian Works, Haydn Road, Nottingham. 621,346–47 (Associated).

ILCHAR"; for weed killing preparations (5). By E. Hernu, Dearwood, Station Road, Amersham, Bucks. B621,556.

ARPHIL"; for pharmaceutical preparations (5). By Martin Philipsen & Co., Ltd., 310 Regent Street, London, W.1. 621,588.

EMTEX"; for indiarubber and artificial indiarubber (17). By Semtex, Ltd., 2 Derby Road, Caversham, Reading. 619,842 (Associated).

CANCELLATION ON APPLICATION OF THE PROPRIETORS

cification No. 616,538 by Coty (England), Ltd.

(*From "The Trade Marks Journal," March* 17)

"PEARL DUST"; for chemicals for use as degreasing agents (1) and for detergents (3). "CASSEL"; for industrial chemicals containing sodium cyanide or potassium cyanide or compounds thereof (1). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 619,910–11 (Associated); 620,694.

"LUXSHMEE" with device of body of girl rising from water lily; for non-medicated toilet preparations and for cosmetics (3). By Luxshmee Products, 2 Pinner Road, Harrow, Middlesex. 619,708.

"EXCURSION"; for perfumes, essential oils, hair lotions, brilliantine, dentifrices (not medicated), cosmetic ingredients for baths, lipsticks, talcum powder, face powder and cream (3). "SPECTATOR" and "VIGILANTE"; for soaps, perfumes, essential oils, hair lotions, brilliantine, dentifrices (not medicated), cosmetic ingredients for baths, lipsticks, talcum powder, and face powder and cream (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 421,798; 621,800; 621,802.

"SILVER MOSS"; for toilet preparations and perfumery (3). By C. J. C. Beauty Products, 418 Staines Road, Bedfont, Middlesex. 621,925.

"PANTHOLIN"; for calcium pantothenate (5). By Eli Lilly & Co., 740 South Alabama Street, Indianapolis, U.S.A. 619,129.

"MERLAN"; for pharmaceutical substances for human and veterinary use; sanitary substances and poultices (5). By Merbart Products, Ltd., Coventry House, Wycombe Road, Prestwood, Great Missenden, Bucks. 621,048.

"EMBEX"; for pharmaceutical preparations for treatment of headaches, backaches, etc., and for medicated ointments (5). By C. J. Taylor, Collier Lane Works, Carlisle. 621,139.

"INOTAMP"; for menstruation appliances (5). By Drugs, Ltd., 145 Sydney Road, Muswell Hill, N.10. 621,184.

"TAMAT"; for all goods (5). By Tamat Drug Co., 2 Bank Buildings, Elham, nr. Canterbury, Kent. 621,621.

"ASPRILOIDS"; for pharmaceutical preparations for internal use (5). By John Timpson & Co., Ltd., 8 and 9 Frith Street, London, W.1. 621,793.

"ACARSOL"; for medicinal preparations for human use (5). By Evans Sons Lescher & Webb, Ltd., Liverpool, 2. 621,812.

The Minister of Supply.—Speaking in London recently, Sir Andrew Duncan said: "There is not a battle on the land, or an engagement on the sea, not a fighter sortie in the air nor a bomber raid, in which paper has not been used at innumerable stages in connexion with the manufacture of the munitions that actually engage the enemy." On the subject of salvage of waste paper, Sir Andrew said "the slacker must be regarded as a reproach upon good citizenship."

AUSTRALIAN FLYING DOCTORS

EVEN in the Western Hebrides there can be few people in these islands so remote from medical attention as the patients served by six flying doctors in Australia. Before the commencement of the Flying Doctor Services an area of 1½ million square miles was accessible only by horse-drawn mail coaches, pack-horses or camels for medical supplies, and almost devoid of contact with medical advisers.

Day and Night Service

Now by means of aeroplanes based on six centres in New South Wales, Queensland, Western and Central Australia, and a network of wireless communications, doctors may be called up at any hour of the day and night and can set out by 'plane if their services are needed. The New South Wales base is at Broken Hill, from which an area of about 400,000 square miles is served. The staff consists of the doctor (Dr. J. G. Woods), the pilot of the aerial ambulance, and a wireless operator. Its aircraft is a D.H. Dragon biplane, fitted with stretcher and carrying stores and equipment. Every remote station, as well as many settlements, is able to communicate with the base by means of pedal transceiver radio sets installed at remote outposts and providing two-way communication. In the past settlers were disinclined to take their families to outlying stations, but this reluctance has largely disappeared with the establishment of the Flying Doctor Service. Recently an all-night service was inaugurated, the Zinc Corporation at Broken Hill co-operating by placing its ambulance staff at the service of the doctor, and by accepting messages after the wireless operator has gone off duty. On the first night the new system operated, an urgent call for the doctor came from Tibooburra at 4.30 a.m., and within five minutes Dr. Woods gave advice to the patient, a maternity case, nearly two hundred miles away.

Advice by Radio

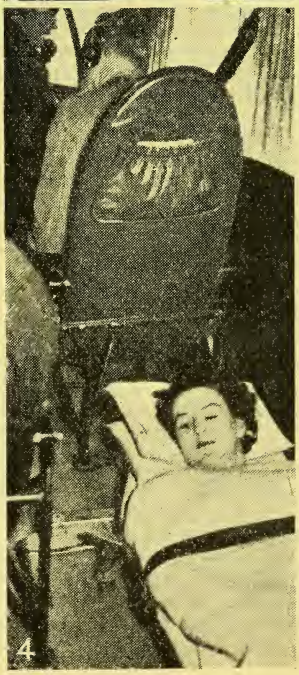
Before making calls the doctor gives preliminary advice by radio, and if the case is a serious one necessitating personal treatment, himself sets out in the aerial ambulance over distances up to 500 miles. Thus medical aid, though many miles away, can be had almost as easily as in one of the outlying suburbs of Sydney, the State capital. A further improvement shortly to be made is the provision of standard me cine chests at stations and other centr which possess pedal radio sets. The che will contain drugs, dressings and applian to be used under instructions by radio fr the doctor. The medicines will be labell and numbered, and the doctor can th prescribe immediate treatment in the ca of an emergency, pending arrival in t aerial ambulance. In one period of twel months Dr. Woods made seventy-fi medical flights, and travelled 36,405 mil

A "General" Practice

The flying doctor is necessarily a gene practitioner in the widest meaning of t term. He must also be a man of resou and physical courage. Some examples his work will serve to illustrate these poin At Wilcannia he assisted a surgeon in t performance of two major operations. Menindee a gardener who had been kick in the face by a horse suffered injuries to eye, a broken nose and possibly also fractured skull. The flying doctor ga treatment on the spot prior to the patien being flown to the hospital at Broken H When news came to the depôt that out the Bush a woman had received sev injuries as the result of a fall the doc flew out and treated her. The cases not all surgical. A pneumonia patient w flown to hospital, a two-year-old child w had swallowed sheep dip was treated, a other troubles dealt with included a cen pede bite, a carbuncle, a broken ankle, poisoned thumb, sprains, and other mi but potentially important conditions.

In maternity cases the Flying Doc service is a great boon, and even the bri ing up of babies entails crises in which t doctor performs an invaluable huma tarian and life-saving function. example of this will suffice. Summoned a remote station in Queensland, the doc was called upon to deal with a baby convulsions. The country was flooded, a after the aeroplane had landed on an isla in the river it was necessary to wa through mud and water for 400 yards reach the boat that was to ferry the doc to the mainland. The boat carried t doctor and his assistant upstream to waiting motor truck, on which the journ was completed. To calm the parents it w decided to sit up all night with the ba and carry it next day to where it could cared for until danger of further convulsic

ITH THE FLYING DOCTOR IN NEW SOUTH WALES



Aerial ambulance of the New South Wales Flying Doctor Service at oper Creek Aboriginal Settlement, 400 miles from its base. 2. Often doctor has to cross difficult country to reach his patient after landing. ctor Woods is here shown wading through the mud fringe of a tercourse before crossing by boat. 3. Across the river a baby had to picked up to be carried to hospital; doctor and baby are shown on ferry boat. 4. A patient in the aerial ambulance.

as past. So the baby was carried back by lorry, boat d aeroplane to the destination decided upon.

Connected with the New South Wales Service is a luntary contribution scheme that entitles subscribers all the facilities provided, including medical advice by dio or otherwise, and transport by the aerial ambulance the nearest appropriate hospital if necessary.

[Illustrations and text by courtesy of the Editor, Australasian Pharmaceutical Notes and News."]

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held at 73 University Street, Belfast, on March 19. The president (Mr. H. F. Moore, Ph.C.) occupied the chair and the attendance included Messrs. J. T. Nicholl (vice-president), C. Abernethy (treasurer), James Glendinning, J. McGregor, W. C. Tate, J. E. Connor, J.P., J. McDowell, J. Donaghy, J. W. Gray, J.P., J. Irwin, S. H. Forrest, J. F. Grimes, J.P., H. H. Cowzer, Professor E. B. C. Mayrs, M.D., and the secretary (Mr. D. L. Kirkpatrick).

Gift of "Wootton's Chronicles"

Prior to the commencement of the business of the meeting Mr. Moore handed over to the Council volumes I and II of Wootton's "Chronicles of Pharmacy." These were the gift of Mr. W. J. Busby, whose only son, the late W. J. Busby, jun., was No. 1 on the Register of the Pharmaceutical Society of Northern Ireland.

THE PRESIDENT extended the congratulations of the Council to Mr. John McGregor, Botanic Avenue, Belfast, whose son, J. K. McGregor, got the first score for the R.B.A.I. in the School's cup final match on St. Patrick's Day. Mr. McGregor returned thanks to the Council.

Post-graduate Course

On the matter of a post-graduate course for chemists at the Municipal College of Technology, THE SECRETARY reported that he had interviewed Mr. C. Young on the subject, and he had inquired as to how many would be available to attend such a course.

Druggist Vacancy on Council

MR. DONAGHY raised this matter by referring to the report of the annual meeting of the Chemists' and Druggists' Society of Ireland which appeared in the *C. & D.* (March 13), and which stated "there was a vacancy on the Council owing to Mr. William Martin not being advised when his term of office expired in September." It was pointed out that it was not the duty of the Council to advise members when their term of office was drawing to a close, but it was the duty of the member to advise the Council if he wished to seek re-election at the annual meeting and this had not been done by Mr. Martin.

Examiners for 1943

These were re-elected on the proposal MR. MCGREGOR, seconded by MR. ABERNETHY.—The following nominat candidates were proposed for election members and associates by MR. ABERNETH seconded by MR. J. W. GRAY: John Moffatt, Ph.C., 1 Deramore Street, Belfas Gerald J. J. Lang, Ph.C., 27 Cliftonvi Avenue, Belfast; Donald J. Watts, Ph. Windyridge, Newcastle, co. Down; Harc Nelson, R.D., Bow Street, Lisburn. A letter was received from the Minist of Home Affairs, Stormont, dated March with reference to the withdrawal of auth isation under the Dangerous Drug A from James William Gilchrist, Ph. Derrygonnelly, co. Fermanagh, and enclosi a copy of a Notice of Suspension of Wit drawal made by the Minister on March The effect of this Order is to enable M Gilchrist to be in possession of and supply dangerous drugs until further noti —THE SECRETARY reported the recei of a cheque for £779 9s. 11d. from t Ministry of Home Affairs, being money f licence fees for retail chemists and druggis for 1943.

PARLIAMENTARY NEWS

Pharmacists under the Beveridge Assum tions.—Mr. Wootton-Davies asked t Minister of Health on March 18 wheth his conversations with the medical pr fession with regard to the implementati of the Beveridge Report would inclu discussions with allied professions, such dentists, opticians and pharmacists. M Ernest Brown's reply was: "Yes, sir, and shall make appropriate arrangements this end."

Safety Razor Blades.—Sir Irving Albe asked the President of the Board of Trade March 16 whether any steps were bei taken to improve the distribution of safe razor blades. Mr. Dalton replied th despite the shortage of labour and ste strip, the number of razor blades availab for the general public was little less th before the war. Every effort was made distribute supplies as fairly as possib throughout the country, but if evidence w forthcoming of a serious shortage in a particular district he would be glad look into it.

TOCK SUSPENSIONS IN DISPENSING

by H. Taylor, F. Perks, C. Dale, J. H. Ward and G. E. Townsend

common practice in busy dispensing rtments to use suspensions of insoluble s, e.g. bismuth carbonate, magnesium nate and sodium bicarbonate in excess lubility, instead of weighing the solid time it is required. Possible sources of in this method include: (1) Personal in measuring the liquid. (2) The tly greater tolerance allowed in mea- s of capacity than in weights. (3) Error to sedimentation of solid during the between shaking and pouring. It thought that the last might be consider- and an attempt has been made to rmine the magnitude of the error.

hod of Test

bstances were chosen that could easily estimated by solution of the solid in ss of acid, followed by back-titration alkali. Three substances were used: t magnesium carbonate, a light, easily sible powder; precipitated chalk, a der of medium density; and sodium rbonate (in excess of solubility), a y powder rapidly separating from ensions. Each portion of suspension dissolved in the acid, the solution was boiled to expel carbon dioxide, cooled titrated with standard alkali, methyl ge being used as indicator. To minimise rs in measurement, all of the measure- ts in a series were made by one operator the same measure and with average . The suspension was thoroughly ken each time before pouring.

ults

uspension of Sodium Bicarbonate, 1 *in* 8. ,000 mils was made. Twenty-four tions of 40 mils each were assayed. The sixteen portions were all deficient in rbonate, the remaining eight contained ess. Of the twenty-four portions, only contained between 90 per cent. and per cent. of the correct amount. Nine- n showed an error greater than 10 per t.

Suspension of Calcium Carbonate, 1 *in* 8.— 50 mils was made. Twenty-nine portions 40 mils each were assayed. Of these, showed a deviation of 5 per cent. or re from the theoretical figure, the atest deviation being 7·3 per cent.

Suspension of Light Magnesium Carbonate, *n* 10.—1,200 mils was made. Twenty-eight portions of 40 mils were assayed. One portion only showed a 5 per cent. deviation from the theoretical figure. One portion showed a deviation of 4·8 per cent., and the remainder were all within 3 per cent. of the true figure. In fifteen portions the error was less than 1 per cent.

In the suspensions of magnesium carbonate and calcium carbonate it was noted that in the first portion measured there tended to be a considerable excess of solid. Using a dispensing balance and weights the error should not be more than 0·5–1 per cent. Using a suspension the error, with medium and heavy powders, may frequently be over 5 per cent. With a heavy powder having the same characters as sodium bicarbonate the error is gross, and a suspension of such a solid should not be used.

[The paper was read by H. Taylor at an evening meeting of the Pharmaceutical Society held in London on March 11.]

INSURANCE ACT DISPENSING

Blackburn.—The Insurance Committee has decided to press for a full-day conference at an early date to discuss the Beveridge Report. In the Committee's area during January, 32,894 prescriptions were dispensed at a cost of £1,505. An analysis of prescriptions during 1942 in ten insurance areas in the North-west showed the highest average cost per insured person for drugs to be in Bury (61·34d.). Blackburn came next with 61·11d. The average costs per prescription were, at Bury, 11·62d.; at Blackpool, 11·51d.; and at Blackburn, 11·20d. The average numbers of prescriptions issued to insured persons included the following: Burnley, 5·49; Blackburn, 5·46; Blackpool, 4·94.

Shropshire.—A medical member of the Insurance Committee at a recent meeting said that insured persons did not consider the hours of chemists adequate for the dispensing of prescriptions. The meeting was informed that chemists were prepared to give additional facilities by each in turn opening from 7 to 8 p.m. on weekdays, except Wednesdays, when the hours would be from 6.30 to 7.30 p.m., as hitherto, and Sundays, 5.30 p.m. to 6 p.m. The arrangement was approved.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represe the prices for wholesale quantities of standard quality. C.i.f. quotations do not inclu marine war risk insurance and other abnormal charges payable in the present emergen

28 Essex Street, W.C.2, March 24

THE week has proved rather featureless so far as the London drug and chemical markets are concerned, and there is little of outstanding interest to record. Merchants report a good deal of inquiry from the home trade for supplies for immediate consumption, and one or two small export orders have been noted. Prices of many items have shown practically no movement throughout the whole of March and, where changes have occurred, they have amounted at the most to a few shillings either way. Among PHARMACEUTICAL CHEMICALS, business continues to be limited and prices are generally without quotable change.

Crude Drugs

This section of the markets has remained exceedingly quiet, and, apart from a few minor changes in quotations, price movements have been negligible. Little interest has been taken in AGAR, which is now available only for bacteriological use. Some offers of Curaçao ALOES for early shipment are reported. ANTIMONY remains in fair supply for essential purposes. A little CANADA BALSAM may still be had on spot. Stocks of BENZOIN are becoming more depleted and prices are showing a tendency to rise. BUCHU leaves are unobtainable. Natural grades of CAMPHOR may be had by approved buyers at last-mentioned prices. No further change has occurred in CARDAMOMS; as noted last week, prices are higher at origin. CASCARA SAGRADA bark remains in good inquiry, but no supplies are available. Mombasa CHILLIES appear to be the only variety offered at present. Zanzibar CLOVES are steady at the slightly lower price quoted last week. Little interest is being shown in ERGOT, prices of which are unchanged. GUM ACACIA is firm and in good request. Exceedingly firm conditions obtain for IPECACUANHA; some business is reported done for early shipment in f.a.q. Minas. MENTHOL continues to sell steadily at unchanged rates. PIMENTO is at one penny per lb. under last week's price. Supplies of RHUBARB are dwindling in the absence of replacements, but prices remain steady at recent figures. Little activity is noted in SEEDS. No quotations have been available for SHELLAC since the Control of Lac (No. 2) Order came into force March 15 (*C. & D.*, March 13, p. 280).

Essential Oils

The week has again been extremely qui with few price changes to record. ANI (STAR) remains in some request and sp business in drums is reported. Fair suppli of English CEDARWOOD are offered. CI NAMON LEAF, in small compass on spot, m be had from dealers. Only limited suppli of EUCALYPTUS are available, but the pri is unchanged. Dealers' quotations f LEMONGRASS are steady. Chinese a Japanese PEPPERMINT remain in go request; no information has been receiv regarding possible Lease-Lend supplies American oil. Controlled prices of FIXE OILS are unchanged. Among the SYNTH TICS and ISOLATES a few minor price chang are noted; no improvement can be record in the supply position.

Pharmaceutical Chemicals

ACETANILIDE.—Supplies are restricted b price is unchanged at 2s. 5d. per lb. for B.P. crystals.

ALLOBARBITONE.—Available from the make at about 64s. per lb.

AMPHETAMINE.—Makers' prices steady approximately 160s. per lb.

ASPIRIN.—In fair demand at steady price Makers quote one-cwt. lots as follows: 1 lb 3s. 4½d.; 4 lb., 3s. 2¾d.; 7 lb., 3s. 2¼d.; 14 lb 3s. 2d.; 28 lb., 3s. 1½d. per lb. TABLETS.– Under 5,000, 3s. 5d.; 5,000, 3s. 3d.; 10,00 3s. 2d.; 25,000, 3s.; 50,000, 2s. 11d.; 100,00 2s. 10d.; 250,000, 2s. 9½d.; 500,000, 2s. 9d. 1,000,000, 2s. 8d.; 2,000,000, 2s. 7d. per 1,00

ATROPINE.—The following are the prices p oz. charged by makers; ALKALOID, 35s.; 4 oz 34s. 6d.; 25 oz., 34s.; SULPHATE, 28s.; 4 oz 27s. 6d.; 25 oz., 27s.; METHYL BROMIDE an METHYL NITRATE, 65s.

BARIUM SULPHATE, B.P. (*x*-RAY).—Maker prices per lb. for quantities of 28 lb.–1 cwt. a as follows (containers in brackets): 1s. 5½ (1-lb.); 1s. 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½ (14-lb.); 1s. 2d. (28-lb.).

BORAX.—Makers quote as follows: B.P granulated, £39 10s. per ton; crystal, £40 10s. powder, £41. Packed in one-cwt.-bags, delivere carriage paid Great Britain, in one-ton lot and upwards. Commercial grades, £8 per to less.

BISMUTH SALTS.—Makers' current schedule as follows:—

Salt	Under 4 lb.	4 lb. and under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	Not less than 1 cwt.
	s. d.	s. d.	s. d.	s. d.	s. d.
rbonate ..	11 8	11 2	10 5	9 0	8 9
rate ..	14 0	13 6	12 9	11 0	10 9
rate cryst.	8 0	7 6	6 9	6 0	5 9
ide ..	15 10	15 4	14 7	12 6	12 3
icylate ..	12 3	11 9	11 0	9 6	9 3
bchloride	15 6	15 0	14 3	12 3	12 0
ogallate ..	14 3	13 9	13 0	11 6	11 3
onitrate ..	10 3	9 9	9 0	7 10	7 7

Nitrate and oxide are not available for contracts.

BROMIDES.—Makers' prices were given in tail last week (p. 306).

BRUCINE.—Makers' prices per oz., in lots of der 25 oz., are: ALKALOID, 1s. 4½d.; NITRATE, 3½d.; SULPHATE, 1s. 3½d.

CAFFEINE.—Details of makers' current price hedule were given in the *C. & D.*, March 13, 281.

CALCIUM GLUCONATE.—Current rates are as lows: 14 lb., 3s. 5d. per lb.; 28 lb., 3s. 2d.; lb., 3s. 1d.; 1 cwt., 2s. 11d.

CITRIC ACID.—Details of controlled prices, ich are unchanged, were given in the *C. & D.*, tober 24, 1942, p. 433.

COCAINE.—Details of makers' current whole-e prices for cocaine and salts were given t week (p. 307).

CODEINE.—Prices per oz., in 4-oz. lots, are: KALOID, 38s. 3d.; PHOSPHATE, 31s. 3d.

GALLIC ACID.—Current price for moderate antities would be about 7s. 9d. to 8s. per lb.

GLYCERIN.—Prices for small quantities are follows: 56-lb. tin, 99s.; 14-lb. tin, 105s. cwt., subject to 2½ per cent. discount, enty-eight days.

HEXAMINE.—Price of free-running crystals, one-cwt. lots, would be about 2s. 3d. per lb.

HOMATROPINE.—Makers' prices per oz. are follows (prices per gram in brackets); KALOID, 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 6d. (4s.); HYDROCHLORIDE, HYDRO-OMIDE and SULPHATE, 75s.; 4 oz., 70s.; oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Details of makers' ces were given last week (p. 307).

METHYL SALICYLATE.—Makers quote as ows: Five cwt., 1s. 11d. per lb.; one cwt., 11½d.; smaller lots, in bottles, 2s. 1½d. per

PHENOLPHTHALEIN.—Makers' prices remain ady at the following rates per lb.: Less than ., 4s. 6d.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; lb., 4s. 3d.; 1 cwt., 4s. 2d.

PILOCARPINE.—Following are makers' prices oz.: Base, 1 oz., 27s.; 4 oz., 26s. 6d.; oz., 26s.; hydrochloride, 1 oz., 21s. 3d.; 4 oz., 20s. 9d.; 25 oz., 20s. 3d.; nitrate, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

SALICYLIC ACID (B.P.).—Makers' prices were recently advanced by one penny per lb.:—

In containers of	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	2 9½	—	—	—	—
From 4 lb...	2 8½	2 6¾	—	—	—
From 7 lb...	2 7½	2 5¾	2 5¼	—	—
From 14 lb.	2 6½	2 4¾	2 4¼	2 4	—
28 lb.–1 cwt.	2 5½	2 3¾	2 3¼	2 3	2 2½
1–5 cwt. ..	2 1½	1 11¾	1 11¼	1 11*	1 10½

* 8×14 lb. and upwards, in one delivery, ½d. per lb. less. Prices include parcels or collapsible cartons; other packages charged extra. Prices subject to buyer's undertaking not to re-sell any quantities at prices or terms below scale current at time of re-sale.

SODIUM SALICYLATE.—Details of makers' current rates were given last week (p. 307).

STRYCHNINE SALTS.—Makers' prices per oz. for ALKALOID are as follows: Under 25 oz., 4s. 11d.; 25 oz. and under 100 oz., 4s. 9d.; 100 oz. and under 500 oz., 4s. 7½d. Corresponding prices for HYDROCHLORIDE are 4s. 8d.; 4s. 6d.; 4s. 4½d.

TANNIC ACID.—Supplies are restricted; price would be around 8s. to 8s. 3d. per lb., according to quantity.

TERPINEOL.—Available for medicinal use at from 3s. 6d. to 4s. per lb., according to quantity.

VANILLIN.—Makers' prices steady: Ex clove oil or guaiacol, 5 cwt., 22s. 6d. per lb.; 1 cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d.

Crude Drugs

AGAR.—A small inquiry continues for material for bacteriological use; price remains at 65s. to 70s. per lb.

ALOES.—Cape has been in some request and the spot price is unchanged at 67s. 6d. per cwt. Some offers of Curaçao for early shipment are reported, the price mentioned being 400s. per cwt., cost and freight.

ANTIMONY.—Unchanged on the week with English minimum 99 per cent. regulus quoted at £120 per ton, delivered, and 70 per cent. crude, for the home trade, at £100 per ton, delivered.

BALSAMS.—*Tolu* has continued in good request, but supplies are restricted; price remains at 10s. 3d. per lb. Small supplies of *Canada* may be had on spot at 9s. 9d. per lb. *Peru* is quoted at 8s. 6d. per lb. *Copaiba* is unobtainable.

BELLADONNA.—Spot quotations for Indian leaves are steady at 4s. 9d. to 5s. per lb. Spot price of Indian root would be £435 to £475 per cwt., according to test.

BENZOIN.—Inquiry has again been fairly good, but it is unlikely that any supplies remain at under £20 per cwt. Prices range between £24 and £26 per cwt., according to grade, with business reported done at the former figure.

BISMUTH METAL.—Spot quotation of 6s. 3d. per lb. for minimum 5-cwt. lots of high-grade metal is steady.

BUCHU.—Supplies have now been cleared.

CAMPHOR.—Demand for the natural grades is of a routine character. Prices are without change, as follows: Chinese, B.P., spot, 11s. 6d. per lb.; crude, 92 per cent., 10s.; Japanese slabs, 12s. English synthetic may be had by approved buyers at 8s. per lb.

CARDAMOMS.—Quiet, with values of all descriptions steady. Aleppy seed, spot, 6s. 6d. per lb.; shipment, 6s. 9d., c.i.f.; Aleppy greens, spot, 5s. 6d.; shipment, 5s. 9d.; split seed, spot, 5s. to 5s. 3d. per lb.

CASCARA SAGRADA.—Good inquiry for bark, but supplies not available.

CHILLIES.—Mombasa steady on spot at 120s. per cwt. No Zanzibar appears to be offered.

CLOVES.—Spot sellers at the lower price of 1s. 5½d. per lb. noted last week; second quality, to arrive, 1s., c.i.f.

COCOA BUTTER.—No change in the maximum official price of 1s. 5½d. per lb., ex factory or warehouse, except when sold under licence.

COCONUT (DESICCATED).—Maximum price permitted by Ministry of Food Order is 49s. per cwt.

DIGITALIS LEAVES.—Quotations are steady, with Portuguese leaf at 135s. per cwt., and English-grown at 2s. 4d. per lb., spot.

DRAGON'S BLOOD.—No changes in prices or supply position. Dullish Zanzibar drop, spot, £21 per cwt.; seedy lump, £30. Re-boiled is unobtainable.

ELEMI.—No. 1 gum is quoted steady on spot at 290s. per cwt.

ERGOT.—Interest is confined to a few odd inquiries; prices are unchanged. Sound material is quoted on spot at 5s. 6d. per lb., and slightly wormy at 4s. 9d. to 5s.; shipment, 5s. per lb., c.i.f.

GUM ACACIA.—Continues firm with a good deal of inquiry; prices are unchanged. Kordofan cleaned sorts, spot, 95s. per cwt.; afloat, 75s., c.i.f.; shipment, 65s. per cwt., c.i.f. Bleached gum would be available for shipment at 130s. per cwt., c.i.f.

HENBANE.—East Indian low-testing material may be had on spot at 300s. per cwt.

IPECACUANHA.—Fair business passing at firm prices. Matto Grosso, in narrow compass on spot, value 20s. to 20s. 6d. per lb. B.P. Minas is wanted, but stocks appear to be exhausted; under B.P., if available, would cost 16s. 6d. to 17s. per lb., according to test. There are reports of business done for early shipment in Minas f.a.q. The price of EXT. IPECAC. LIQ. is unchanged, as follows: Winchesters, B.P., 1932, under three, 28s. 6d. per lb.; three and under six, 28s.; six and under twelve, 27s. 6d.; twelve and over, 26s. B.P., 1914, under three, 26s. 6d.; three and under six, 26s.; six and under twelve, 25s. 6d.; twelve and over, 25s. per lb.; all prices quoted are on a net basis.

JABORANDI.—Spot price of small supp steady at 60s. per cwt.

JALAP.—Brazilian root testing 16 per c resin continues to be offered on spot at 1 per cwt.; root testing 13 per cent. is avail at 90s.

KAMALA.—Small quantities yielding 5 cent. ash may be had on spot at 2s. per lb.

MENTHOL.—Good inquiry with routine b ness passing at unchanged prices. Chinese, s 75s. to 77s. 6d. per lb., duty paid, accordin holder; Japanese, 77s. 6d. to 80s.

MERCURY.—Controlled prices range f £68 10s. to £69 15s. per bottle for quantitie over 7 lb.

MYRRH.—Some Aden sorts may be had spot at from £18 to £20 per cwt.

NUX VOMICA.—Cochin, washed and garb spot, 42s. 6d. per cwt., ex warehouse Glasg Cocanada, spot, 37s. 6d. per cwt., also ex w house Glasgow.

ORANGE PEEL.—Bitter quarters steady on spot at 3s. 3d. per lb.

PAPAIN.—Nominal on spot at 17s. 6d. per

PEPPERS.—Maximum price on a sale t processor or wholesaler of whole pepper picked over or cleaned is 1s. 4d. per lb. white, and 1s. per lb. for black, both duty p

PIMENTO.—Spot sellers' price is one pe per lb. lower at 1s. 8d.; shipment is not quo

PODOPHYLLUM.—*Emodi*, spot, 85s. per c shipment from India, 60s., c.i.f.

PSYLLIUM SEED.—Spot quotations for Ind are steady at 1s. 3d. per lb., ex store.

QUILLAIA BARK.—Spot price of crushed cut bark remains at 115s. per cwt.; natu afloat, 80s. per cwt., c.i.f.

RHUBARB.—Steady consuming trade v rather more inquiry. As no replenishments coming in, stocks are naturally diminish Good-grade rough-round may be had on s at 7s. 6d. to 8s. per lb., according to qual the cheaper price being for slightly wormy.

SAPONIN.—Spot, 7s. 6d. per lb., ex st shipment, 6s. 6d., c.i.f.

SEEDS.—No features have occurred in market and prices are about unchanged. C ANDER.—Indian, 82s. 6d. per cwt. CUMI Maltese, spot, 135s.; Indian, 125s.; Engl 150s. DILL.—Spot, quoted at 180s. FENN —Indian, a little available at 100s. to 1 FENUGREEK.—90s. MUSTARD.—Controlled *C. & D.*, November 28, 1942, p. 564).

SENNA.—Prices and supply position changed; business quiet. Tinnevelly No. 9d. to 10d. per lb.; No. 2, 7d. to 7½d.; No 5½d. to 6d. Alexandrian broken, 1s. 3d. 1s. 4d. Good hand-picked Tinnevelly p 11d. to 1s. 2d.; ordinary grade, 10d. to 1 f.a.q., 6d. to 7½d. Hand-picked Alexandr pods, 3s. 6d. to 6s., according to quality.

SHELLAC.—No quotations are available.

SQUILL.—Portuguese bulb, spot, 95s. cwt.; Indian, 75s.

ROPHANTHUS.—Business small but steady; s unchanged. Kombé seed, 100 per cent., 10s. 6d. per lb. for small lots; fair-sized rs can be taken at lower prices.

AGACANTH.—Firm, with prices at last-tioned levels. No. 1, white, £130 per cwt.; 2, white, £115; No. 3, white, £102; No. 4, e, £83; pale leaf, £73; amber leaf, £65; amber, £55; brown leaf, £45; red-and-n leaf, £40; red leaf, from £35; woody oggy, from £17, ex store.

RMERIC.—Sound-quality Madras finger be had on spot at 62s. 6d. per cwt.; ly, 60s.

LERIAN ROOT.—Indian root on spot is ed at 100s. per cwt., ex store.

AXES.—Prices are at the levels recorded week, with business quiet. CARNAUBA. y grey and chalky grey, spot, both quoted 40s. per cwt.; Primeira, 520s., nominal. .—Supplies may be had only through Association of Merchant Distributors of wax.

sential and Expressed Oils

ISE (STAR).—A few inquiries are being ved. Some spot business in drums is ted at 54s. per lb.

Y.—The spot value of any available sup-would be in the region of 12s. 6d. per lb.

IS DE ROSE.—Spot value remains in the n of 47s. per lb.

JUPUT.—Spot supplies are not easy to e, the price being firm at approximately 6d. per lb.

NANGA.—No spot stocks are offered. Good-e ylang-ylang may be had at about 85s. b.

STOR.—Controlled prices for bulk quan-are as follows: "Firsts," £72 per ton; onds," £70 per ton, naked ex works.

DARWOOD.—Supplies of English oil are able at 16s. per lb.

NNAMON LEAF.—Small supplies may be on spot at around 15s. per lb.

TRONELLA.—In some demand. Java, spot, t 22s. to 24s. per lb.; Ceylon, 19s. to 20s.

OVE.—No change is noted in the position. ish distillers' prices remain at 14s. per lb. rdinary quantities.

COCONUT.—Bulk supplies are controlled at following prices: Crude, £36 12s. 6d. per refined deodorised, £40; refined hardened lorised, £44; all naked ex works.

TTONSEED.—Refined deodorised is officially rolled at £49 per ton, naked ex works.

UCALYPTUS.—Only limited quantities are available. Spot, 70 to 75 per cent. oil, in , from 5s. 9d. to 6s. per lb.

ERANIUM.—Basic price of any available lies would be about 80s. per lb., but business d have to be negotiated. British makers supply artificial substitutes at lower prices.

GINGERGRASS.—Obtainable in small supply on spot at about 25s. per lb.

GROUNDNUT.—Controlled prices remain at between £48 and £54 per ton, naked ex works, according to quality.

LAVENDER.—Any available good-grade oil would be worth about 90s. per lb. on spot.

LEMONGRASS.—Dealers quote at about 16s. per lb. for spot supplies.

LINSEED.—Controlled price of £46 10s. per ton for large bulk quantities of crude, naked ex works, is unchanged. Distributors' prices for ordinary quantities would be at rather higher rates.

PALMAROSA.—In small compass on spot at from 32s. 6d. per lb.

PATCHOULI.—Any good-quality oil would fetch about 75s. per lb. on spot.

PENNYROYAL.—Obtainable on spot at around 40s. per lb.

PEPPERMINT.—Rather more inquiry for Chinese and Japanese oils. Some business is reported done on spot at 88s., but it is doubtful if any supplies remain at under 90s. No information has yet been received regarding the possibility of Lease-Lend supplies.

PETITGRAIN.—Dealers would require about 23s. per lb. for small spot supplies.

RAPESEED.—Controlled price of crude remains at £54 per ton, naked ex works.

ROSEMARY.—Approximately 16s. per lb. would be the present spot value of small supplies.

SASSAFRAS.—Spot oil, if available, would be worth about 19s. per lb.

SPEARMINT.—Any available oil on spot would bring in about 40s. per lb.

THYME.—High-quality, on spot, is valued at about 25s. per lb., but lower-phenol-containing oils would be cheaper.

Synthetics and Isolates.—Many of these products remain in short supply and are not necessarily available because prices are quoted. Difficulty may be experienced in obtaining supplies for perfumery purposes, as some of these products may be required for other and more essential uses. AMYL ACETATE.—Pure, about 130s. per cwt.; technical, 109s. per cwt.; small quantities would be worth up to about 2s. per lb. AMYL CINNAMIC ALDEHYDE.—In the region of 27s. 6d. per lb. AMYL SALICYLATE.—About 5s. per lb. AUBEPINE.—Approximately 35s. per lb. BROMSTYROL.—100 per cent., about 30s. per lb. CINNAMIC ALDEHYDE.—Quoted at around 9s. per lb. CITRAL.—Chemically pure, easier at about 60s. per lb. No quotations are available for CITRONELLAL or CITRONELLOL. COUMARIN.—Quoted at approximately 17s. 6d. per lb. ETHYL PHTHALATE is not quoted. EUCALYPTOL.—About 13s. per lb. EUGENOL.—Around 23s. 6d. per lb. GERANIOL.—About 60s. per lb., ex palmarosa oil. GERANYL ACETATE.—Approximately 70s. per lb. IONONE.—100 per cent., around 75s. per lb. ISO-EUGENOL.—About 25s. per lb.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real na and address to the Editor

Horticultural Sundries Trade Red Cross Appeal

The following letter from the chairman (Mr. John Evans) of the National Pharmaceutical Union, appealing for support for the Horticultural Sundries Trade Red Cross Fund, will be dispatched to members shortly:—

SIR,—Last November I wrote asking for your support for the Red Cross New Year Appeal. Encouraging though the response was, my committee feels that it did not altogether do justice to the greatness of the cause. We think that this can only be our own fault, since no one who has had the facts really "put across" to him could permit himself less than 100 per cent. enthusiasm. I am, therefore, taking the liberty of giving you just two extracts from prisoners' letters. These will, I feel sure, convince you more easily and more quickly than any words of mine:—

"Today I received an invalid parcel for which I send my sincerest thanks. I also wish these few lines to convey thanks to you from all prisoners of war for the many pleasures you have made it possible for us to have."—*Stalag 18A.*

"We have been feeding well lately, almost entirely on Red Cross parcels."—*P.G. 41, Italy.*

And now a suggestion: Will you put it up to your employees that they—with your assistance—make themselves responsible for one or more P.O.W. parcels a week, a month, or as often as they can? I am sure they would be willing to help our boys in this way. It is sometimes a little difficult to pass on an appeal to employees. The Red Cross Agriculture Fund have, however, thought out an idea for overcoming that difficulty. They have prepared a booklet of twenty "coupons," each bearing a picture of some item in the prisoners' parcel and the words: "Here is 6d. for the beef" (or milk, or tea, or pudding, or whatever it may be), with space left for the signature of the giver of that particular 6d. You send for the booklet, pass it round and invite one employee to be responsible for sixpennyworth of beef, another for sixpennyworth of milk, and so on. Twenty sixpenny subscriptions complete a parcel, for the cost of filling and transmitting each parcel is 10s. Each buyer keeps the "coupon" his sixpence has bought. You, the collector, sign a counterfoil as the receipt. When your twenty "coupons" are gone you send up the counterfoils and the ten shillings, and that means another war prisoner is sure of a week's joy! The booklets are ready and waiting at 29 Belgrave Square. Do take at least one to start with, and make it one or more a week if you possibly can.

Yours sincerely,
JOHN EVANS,
Chairman, National Pharmaceutical Union.
London, S.W.1.

N.P.U. Organisation Questionnair

SIR,—The National Pharmaceut Union, invited to undertake organisat of employees, is seeking, by questionna the opinion of managers, assistants, pensers, drug hands and apprentices. M people in these categories, but not in cl contact with an N.P.U. member, will ne hear of this collection of information, perhaps many who are will not eit Large numbers of such persons are servi and little enthusiasm can be expected f the "casuals" now in the craft. prospects for this questionnaire do seem too promising. There is considera interest in the organisation of pharmac in the Bradford district but, as I inter it, it is in the organisation of the quali —which seems to me an urgent enough big enough job to be going on with. T is news this week of an investigation car out by Mr. Kitching. The response to questionnaire reached 50 per cent. and equally representative of proprietors non-proprietors. Out of eighty-one decla tions, no fewer than seventy-eight are favour of a movement to unite all p macists about the N.P.U. There is bala on whether the organisation should limited wholly to those in retail, bu definite majority favour at least the liation of non-retail groups like the hosp pharmacists. Of non-proprietors, only per cent. favoured flat-out trade un organisation. In my opinion a determi effort to unite totally those qualified wo have excellent prospects of success. achievement would constitute a ma landmark in pharmaceutical history. future will hold an increasing percentag pharmacists practising on the capita subscribed or otherwise—of others. is the time to establish the right of pharmacists to come, no matter how, or whom, they may practice, to consultat on all questions touching upon the ph maceutical service of the country. should aim for more in the years ahead t the right to be licensed servants devoid reasonable self-determination in respect the practice of pharmacy. We should face the future as employers and employ but unitedly as pharmacists.

Yours faithfully,
Shipley. J. WILKINSON

Vitamin B_1

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We are glad to announce further reductions in the price of

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Brand of **ANEURIN HYDROCHLORIDE, B.P.**

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Bottle of 10 c.c. (each c.c. = 25 mg.) 16/6
Purchase Tax extra on Ampoules and Solution

33⅓% discount to Retail Pharmacists; prices not applicable to Eire.

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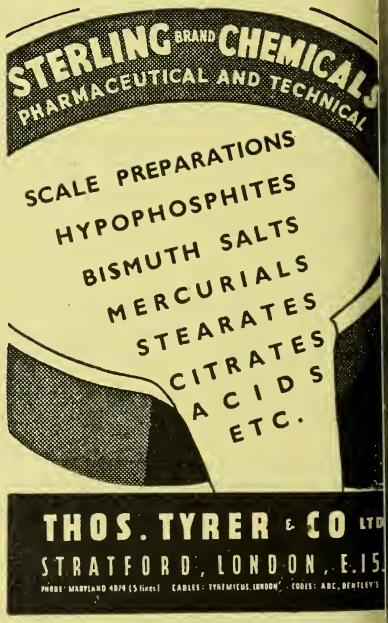

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Extensive tests in the laboratories of the Watford Chemical Co. Ltd. have resulted in the evolution of an improved formula for PROMULSIN WAX. In addition, the demand for this universal emulsifying agent has increased to such an extent during recent months that the product is now being manufactured on a much larger and more economical scale, an in consequence its price to consume has been considerably decreased. A future orders for PROMULSIN WA will therefore be executed at this ne reduced price. Users of large quantiti of emulsifying Waxes for pharmaceutic and industrial purposes are invited t send for details of the revised prices.

Technical data and samples on request

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We express our regret for the unavoidable inconvenience occasioned by short supplies, and would ask Retailers to co-operate with us by reserving their stocks for the purpose of meeting prescriptions.

The Retail Price is **4/6** *per 8-ounce Bottle*

INCLUSIVE OF PURCHASE TAX

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Cod Liver Oil in nutrition

Before the war leading Medical opinion at home and abroad agreed that even then a daily teaspoonful of Cod Liver Oil was needed to supplement the diets of infants, children, adolescents, and nursing and expectant mothers. The pre-war *Report on the Physiological Bases of Nutrition*, 1936, setting down these conclusions and recommendations was endorsed by our own Ministry of Health and the British Medical Research Council.

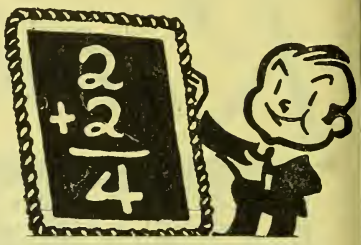
Since the outbreak of the war the Ministry of Food have taken steps, with their Cod Liver Oil Distribution Scheme, to ensure that adequate supplies are to-day within the reach of expectant mothers and young children.

But the Ministry of Food Scheme needs the active co-operation and support of the Pharmaceutical Profession in recommending mothers to take advantage of these facilities and in getting them to appreciate the importance and value of Cod Liver Oil in prenatal care and throughout childhood and adolescence.

For those outside the scheme, and also for those who prefer freedom of choice, SevenSeaS pure Cod Liver Oil is available in all chemists' shops throughout the country. There is no shortage of SevenSeaS and its quality and purity remain unimpaired. The Pharmaceutical Profession is, however, reminded *that orders should be placed at least two or three months ahead of actual needs*, as the difficulties of packing and delivery are greater than ever before.

Issued by British Cod Liver Oil Producers (Hull) Ltd., St. Andrew's Dock, Hull.

50 Years of Adding U



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Used regularly is invaluable in warding off colds, influenza, etc. Is very sustaining during illness, and a wonderful stimulant in convalescence.

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A GOOD OPPORTUNITY *for* Increased Sales

PHARMACISTS are offered exceptional sales possibilities this winter through 'Vimaltol.' This concentrated and economical vitamin food has a delightfully sweet orange flavour which all children love, and is a delicious alternative to malt and cod liver oil. In fact, 'Vimaltol' is as nice as the nicest jam.

The vitamins in 'Vimaltol' are supplied from specially prepared Malt Extract and Yeast, which is one of the richest natural sources of vitamin "B," together with Halibut Liver Oil fortified with additional vitamins.

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Widespread advertising of 'Vimaltol,' coupled with its intrinsic merit, is creating a demand which you can turn to your advantage by ordering stocks now and displaying 'Vimaltol' prominently.

VIMALTOL

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Wholesale Prices: 1 lb. Jars **24/-**; 2 lb. Jars **43/-**
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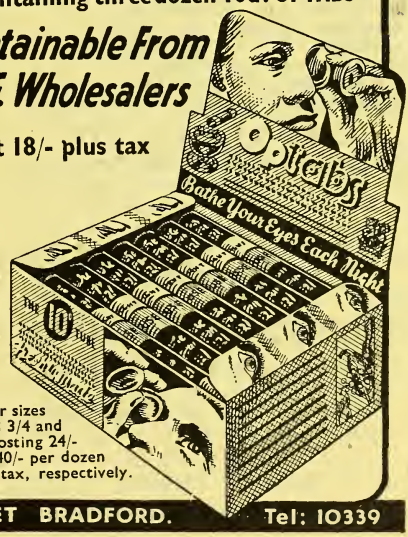

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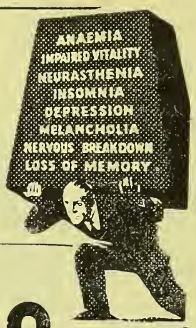

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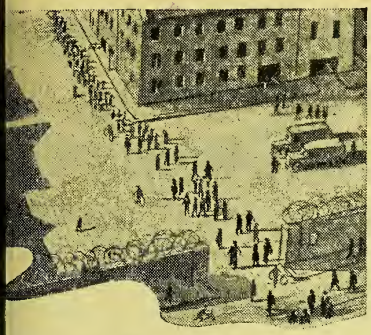

ome Front . .

For those who make the weapons, as for the men who use them, good general health is essential to maximal effort and optimal efficiency.

The common cold, so widespread and therefore liable to be accepted as a matter of course, is probably responsible for the loss of more working hours than any other single condition.

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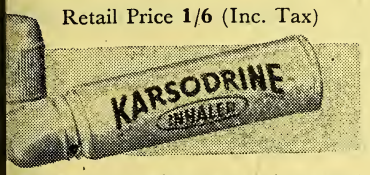
Retail Price **1/6** (Inc. Tax)



LA: Ampheta- 30 grm.; Cineole, n.; Ol. Citronell, n.; Methyl Sali- 023 grm.; Ol. 005 grm.; Men- 049 grm.; Ol. , 0.089 grm.

Apart from its assured efficacy the Karsodrine Inhaler is an excellent financial proposition. The Retail Price is 1/6d. (inc. tax), which yields up to 5/2½d. per dozen profit. This applies equally to small quantities if ordered with other "Griffiths Hughes" products.

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Chairman

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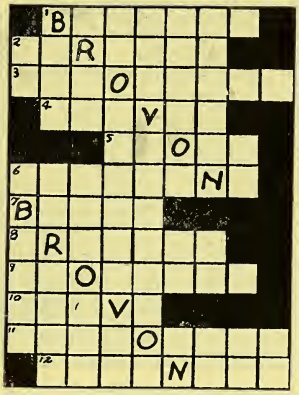

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10. The dance has been upset.
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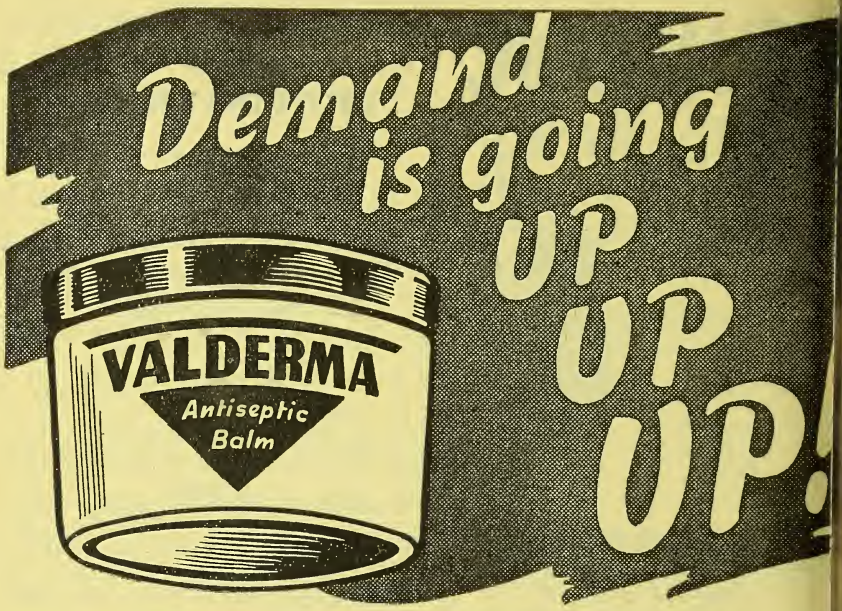

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